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ABSTRACT

This document presents trend data for degrees conferred on U.S. students attending 2-year and 4-year institutions from 1969-70 to 1993-94. The data, which includes statistical tables, graphs and narrative, were obtained from the Integrated Postsecondary Education Data System and the Higher Education General Information Survey and show the number and percent of degrees conferred by field, degree level, and sex of student, including breakdowns on degrees conferred on minorities and women. Ten figures highlight data on: U.S. resident population age 18 to 29, by sex, 1940-94; percent of degrees (associate, bachelor's, master's, and doctoral) conferred on resident minority students, 1977-94; and percent of degrees conferred, by sex, 1970-94. Data is organized according to the following field-of-study categories: agricultural and natural resources; biological/life sciences; business, computer and information sciences; education; engineering; health professions and related sciences; mathematics; physical sciences and science technologies; social sciences and history; and first professional degrees. Data for minorities do not show trends in degrees earned by subpopulations. However, data is provided on degrees conferred for the following groups: Black, non-Hispanic; Hispanic; Asian or Pacific Islander; American Indian/Alaskan Native; White, non-Hispanic; and nonresident alien. (SW)

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Office of Educational Research and Improvement NCES 98-071

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Chartbook of Degrees Conferred, 1969–70 to 1993–94

Thomas D. Snyder
Project Officer

LE 036 863

U.S. Department of Education
Office of Educational Research and Improvement NCES 98-071

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CHARTBOOK OF DEGREES CONFERRED

Introduction

This *Chartbook* presents data from the Integrated Postsecondary Education Data System (IPEDS) and the Higher Education General Information Survey (HEGIS), both conducted by the National Center for Education Statistics. The HEGIS survey was conducted from 1966 until 1986 and collected a wide range of higher education data including institutional characteristics, faculty salaries, finances, enrollment, and degrees. In 1986, HEGIS was replaced by IPEDS, which continues to collect annual survey data on institutional characteristics, fall enrollment, completions, finances, staff, salaries, and libraries.

The IPEDS surveys are distributed to all postsecondary institutions that are accredited by an agency recognized by the Secretary of the U.S. Department of Education. Since all higher education institutions received survey forms, the data in this *Chartbook* are not subject to sampling error. The former HEGIS surveys were distributed only to higher education institutions. To maintain comparability over time, only data for higher education (4-year and 2-year) institutions are analyzed in the report. One source of error, though, is the error due to nonresponse. The higher education component of the 1994 IPEDS has a response rate of 97 percent, so the error due to estimates for nonreporting institutions should be small. Table 40, which contains 1994–95 data, was added to the *Chartbook* just prior to printing. However, the 1994–95 data are not integrated into the body of the report.

Highlights

To maintain comparability over time, only data for higher education (4-year and 2-year) institutions are analyzed in the report. Although the number of United States residents aged 18 to 29 peaked in 1983, the number of associate, bachelor's, and master's degrees earned by students increased between 1977 and 1994. It is not clear from the data presented here if this increase may be attributed to a higher percentage of 18- to 29-year-olds earning higher education degrees, to a greater number of students older than 29 receiving degrees during this time, or both.

Other trends in the data presented in this *Chartbook* are varied and complex. Some fields grew quickly from 1970 to 1994, while others peaked and declined. Women and minorities earned an increasingly larger percent of degrees in many important areas, but made only small gains in others. Also, women and minorities generally continued to earn fewer than their share of doctoral degrees.

The general increase in the number of degrees earned at all levels from the 1970s to 1994 was not always consistent within individual fields of study. For example, between 1970 and 1994 the number of bachelor's degrees earned in biological and life sciences, education, social science, and agriculture peaked in the 1970s, declined until the mid-or late-1980s, and then began to recover. The number of degrees earned across levels in business management and administrative services and law increased consistently from 1970 to the mid-1990s. The number of bachelor's degrees earned in computer science and engineering peaked in the 1980s and then declined continuously until 1992.

Although the percent of degrees earned by minority students increased steadily between 1970 and 1994, minority students were underrepresented among degree recipients, particularly at higher degree levels. The percent of degrees earned by minority students increased while the minority percent of the U.S. resident population was also increasing. For example, minorities comprised 23 percent of the 18- to 29-year-old resident population in 1981, but earned 11 percent of bachelor's, 11 percent of master's, and 10 percent of doctor's degrees in 1981. By 1994, minorities comprised 31 percent of the U.S. population aged 18 to 29 and earned 17 percent of bachelor's, 15 percent of master's, and 14 percent of doctor's degrees awarded that year. Comparing population to degree statistics, it becomes apparent that many of the increases in percent of degrees earned by minorities may be attributed to population increases.

The data concerning degrees earned by minority students presented in this *Chartbook* should be interpreted cautiously given that the minority data do not show trends in degrees earned by separate minority subpopulations. The amalgamation of several minority subpopulations into one "minority" category may mask differences in degree trends among minority subpopulations, such as Asian Americans, African Americans, and Hispanics. Data for these groups appear in the Appendix tables 10 through 14. Further-

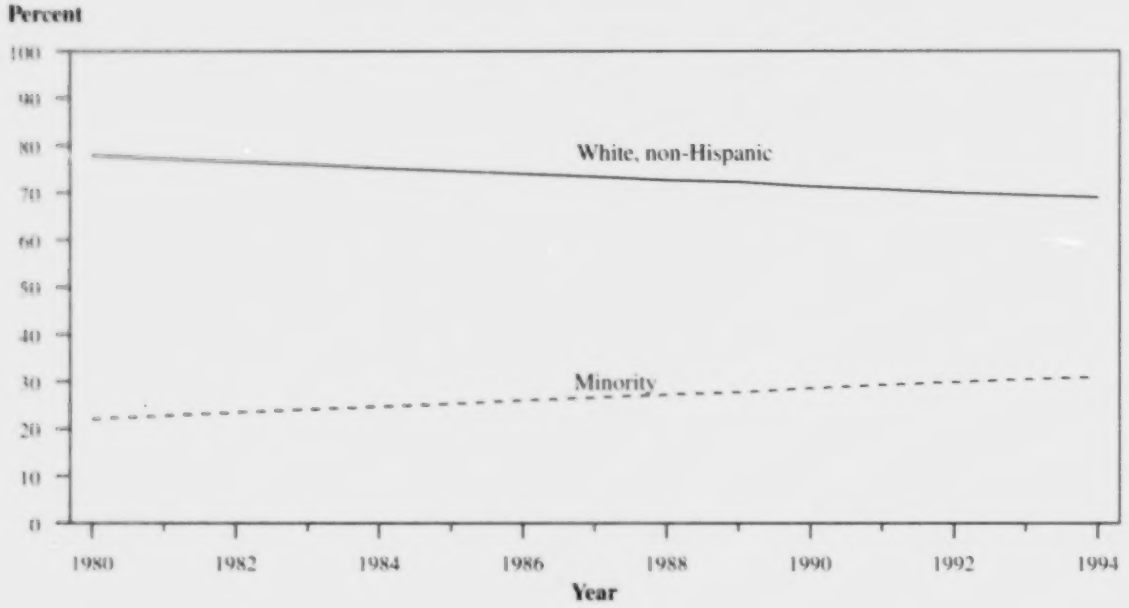
more, within these general racial/ethnic subcategories, other differences exist; Puerto Rican Americans may demonstrate different higher education trends than Mexican Americans, as may Taiwanese, Vietnamese, and Laotian Americans.

The status of women among higher education degree recipients is more clearly interpretable than that of minorities. From the 1970s to 1994, women earned an increasing share of degrees across degree levels and fields of study. By 1994, women earned more than 50 percent of all associate, bachelor's, and master's degrees awarded. Among doctor's degree recipients, the percent earned by women increased from 13 percent in 1970 to 39 percent in 1994.

Within many fields of study and degree levels, women earned more than 50 percent of all degrees awarded in 1994. For example, women earned 51 percent of bachelor's and 53 percent of master's degrees awarded in biological sciences in 1994. Women also continued to earn more than half of all bachelor's and master's degrees in education and health professions from 1984 to 1994. Women continued to be underrepresented within several fields of study, however. From 1970 to 1994, women continued to earn less than 50 percent of all the degrees in agriculture, business management and administrative services, engineering, computer science, mathematics, social sciences, and physical sciences.

Within first professional fields of study, women continued to earn less than 50 percent of all degrees awarded in law, dentistry, and medicine. Minority students made gains in the percent of degrees earned in dentistry and medicine. The dentistry degrees awarded to minority students were almost proportional to their representation in the population, comprising 31 percent of the U.S. resident population in 1994 and earning 27 percent of dentistry degrees. The percent of degrees earned in law by minorities increased at a slower rate than within medicine or dentistry. As of 1994, minority students earned 26 percent of medical and 16 percent of law degrees.

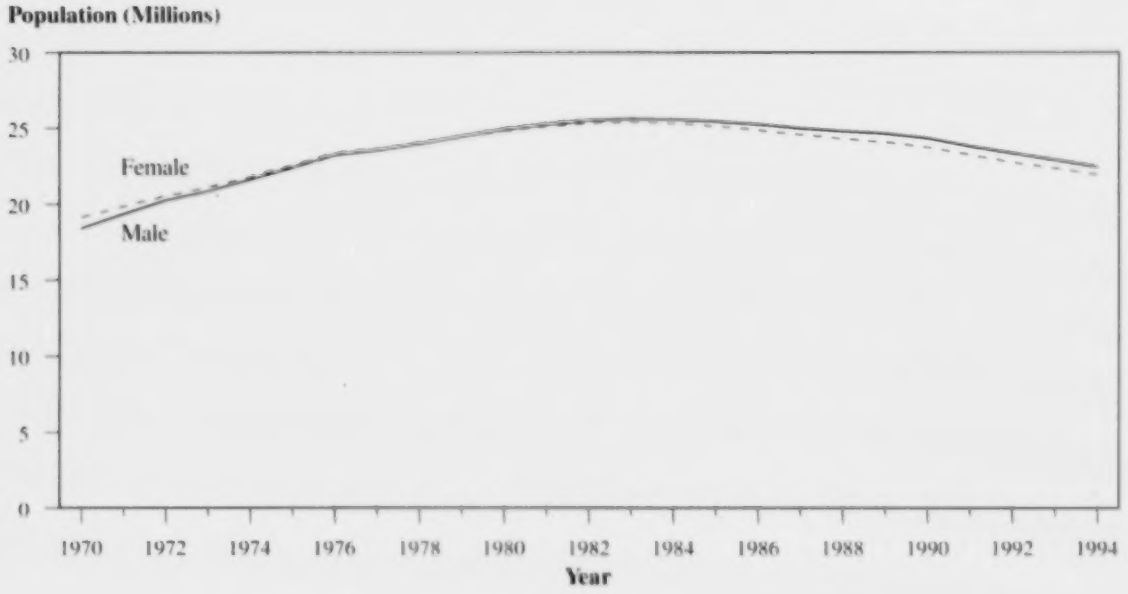
Figure 1.1: White and minority resident populations as percents of the 18- to 29-year-old population: 1980 to 1994



Between 1980 and 1994, minority resident subgroups, particularly Hispanics and Asians, increased at rates that outpaced increases among white residents in the United States. As such, the percent of the U.S. resident population that is minority steadily increased between 1980 and 1994.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports PPL-21, P25-1095, and P25-917.

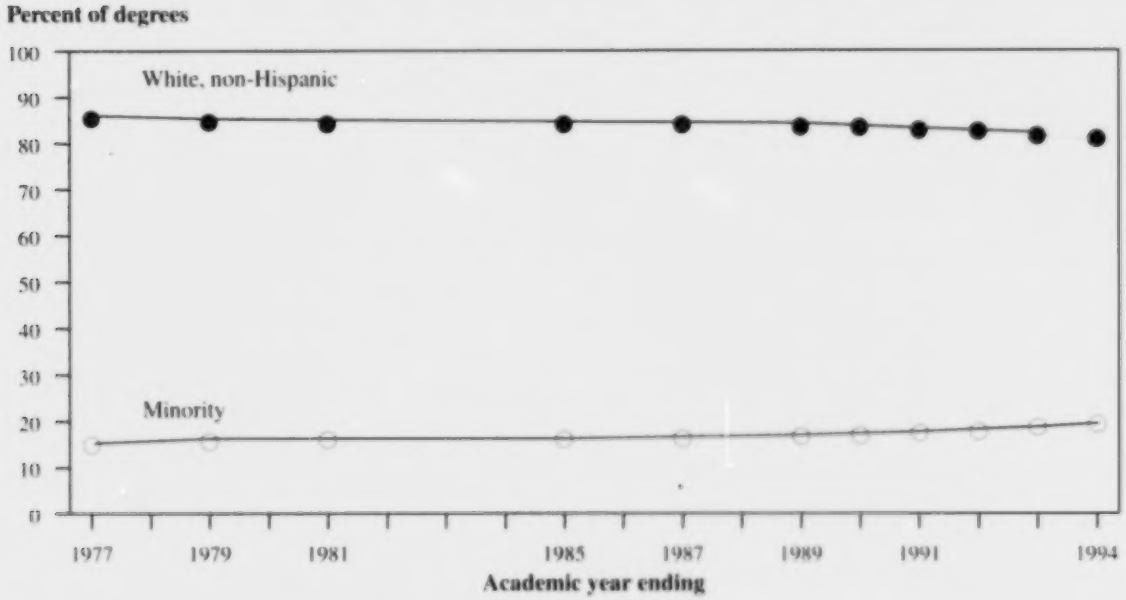
Figure 1.2: U.S. resident population age 18 to 29, by sex: 1970 to 1994



After an increase in the number of 18- to 29-year-old residents of the United States between 1970 and 1983, the number decreased between 1983 and 1994. After a peak of over 51 million in this age category in 1983, the number of 18- to 29-year-olds in the United States declined to 44 million in 1994. Although the differences are very small, the majority in this age category in the 1970s were female. From 1980 to 1994, the majority of 18- to 29-year-old U.S. residents were male.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Reports PPL-21, P25-1095, and P25-917.

Figure 1.3: Percent of associate degrees conferred to resident students, by minority status: 1977 to 1994



From 1977 to 1994, the number of associate degrees earned by resident students rose among both whites and minorities. This increase was larger proportionally among minority students than among white students. As a result, a slightly larger percentage of associate degrees was earned by minority students in 1994 than in 1977.

NOTE: Symbols indicate years for which data have been plotted.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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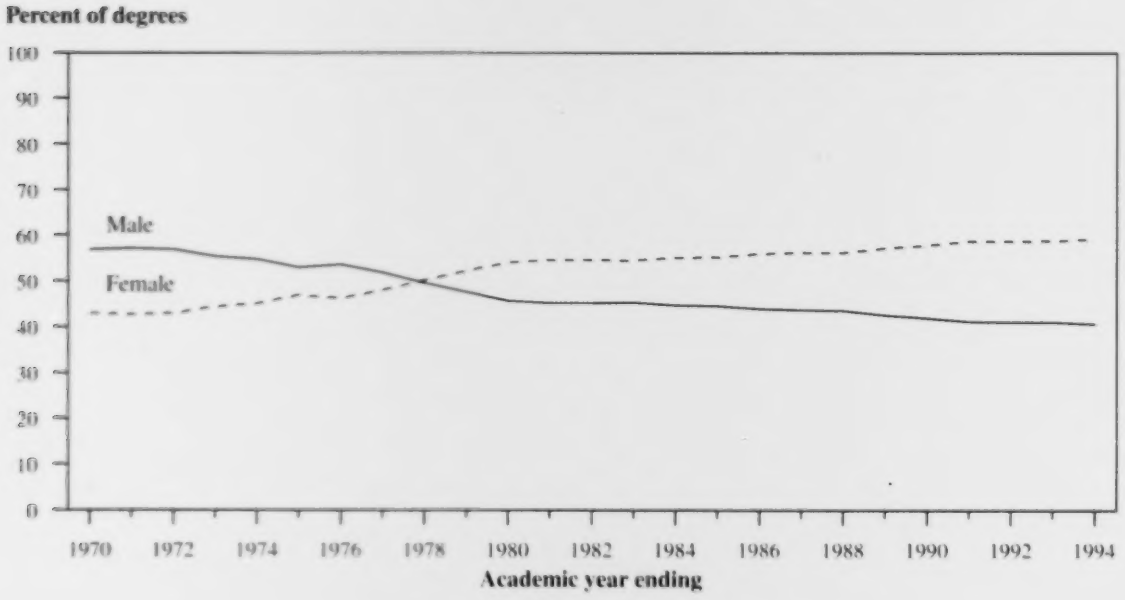
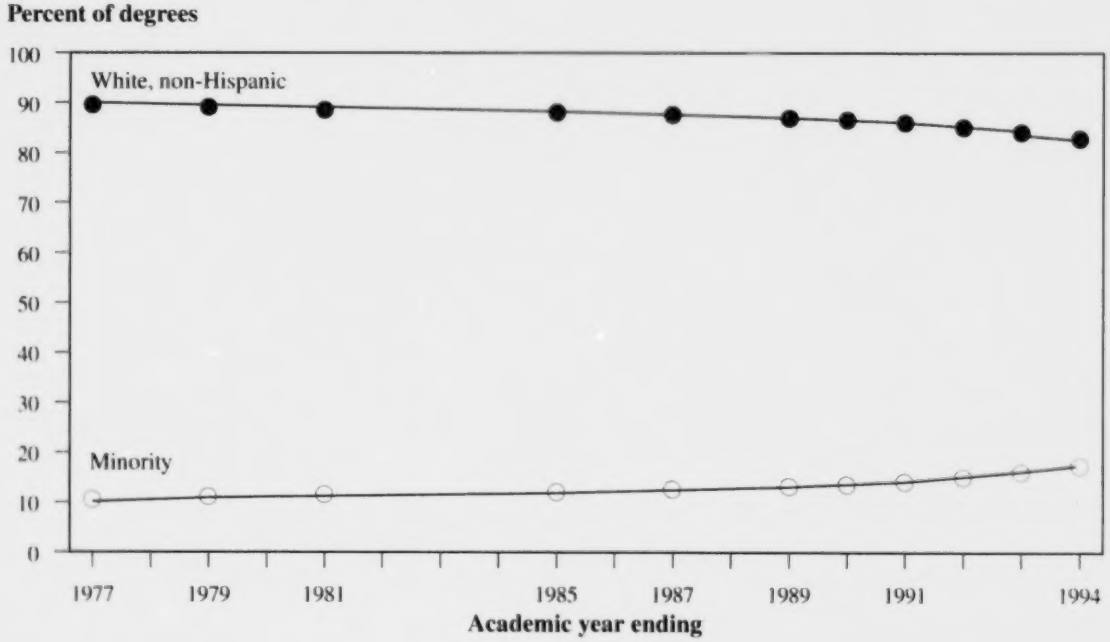
Figure 1.4: Percent of associate degrees conferred, by sex: 1970 to 1994



From 1970 to 1994, women shifted from earning a minority to earning a majority of associate degrees. Whereas women earned 43 percent of all associate degrees awarded in 1970, they earned 59 percent of all associate degrees awarded in 1994. Conversely, males earned 41 percent of all associate degrees awarded in 1994, a decrease from 57 percent in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 1.5: Percent of bachelor's degrees conferred to resident students, by minority status: 1977 to 1994

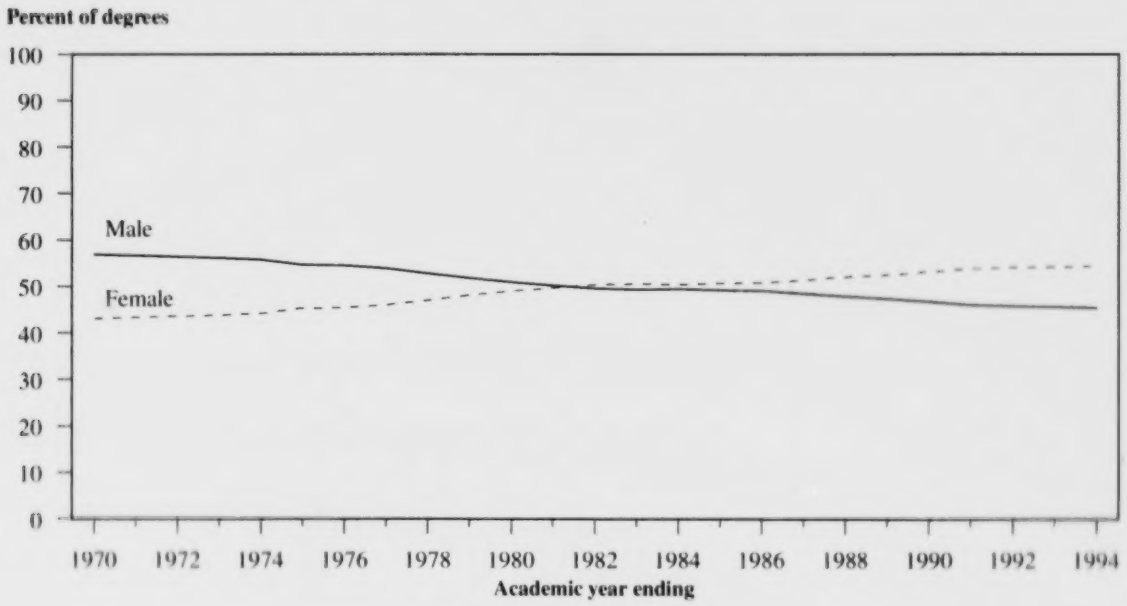


The percent of bachelor's degrees awarded to minority students increased from 11 percent in 1977 to 17 percent in 1994. Conversely, white students comprised a smaller percent of bachelor's degree recipients in 1994 than in 1977.

NOTE: Symbols indicate years for which data have been plotted.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

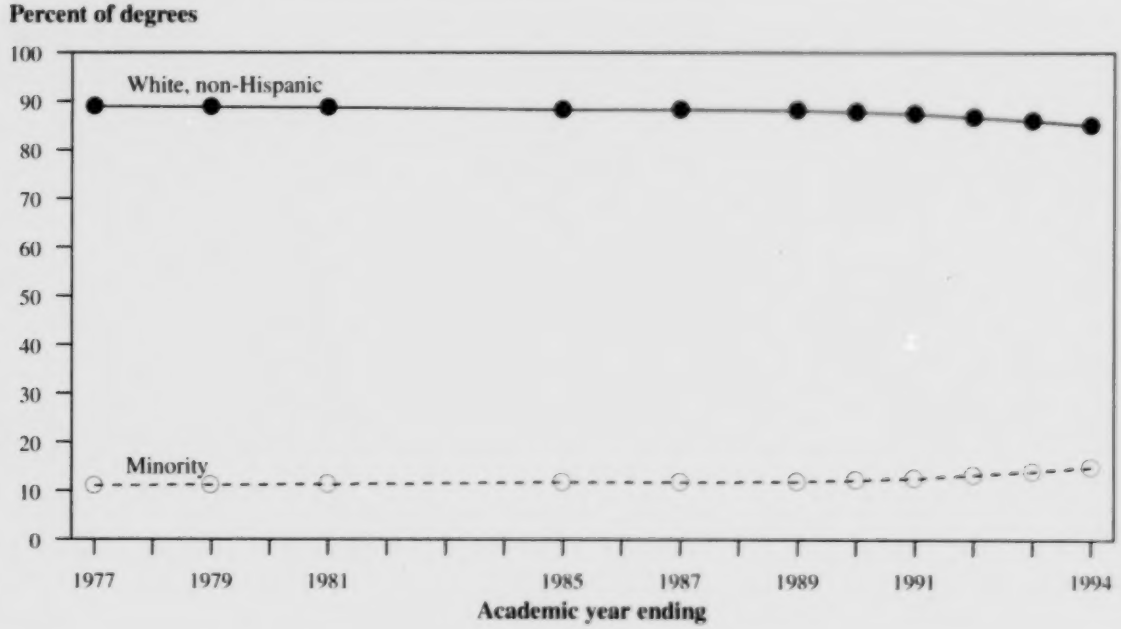
Figure 1.6: Percent of bachelor's degrees conferred, by sex: 1970 to 1994



Although males earned 57 percent of all bachelor's degrees awarded in 1970, they earned 46 percent of all bachelor's degrees awarded in 1994. Conversely, females earned 55 percent of all bachelor's degrees awarded in 1994. From 1982 to 1994, females consistently earned more than 50 percent of all bachelor's degrees awarded each year.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 1.7: Percent of master's degrees conferred to resident students, by minority status: 1977 to 1994



The percent of master's degrees awarded to minority students rose from 11 percent in 1977 to 15 percent in 1994.

NOTE: Symbols indicate years for which data have been plotted.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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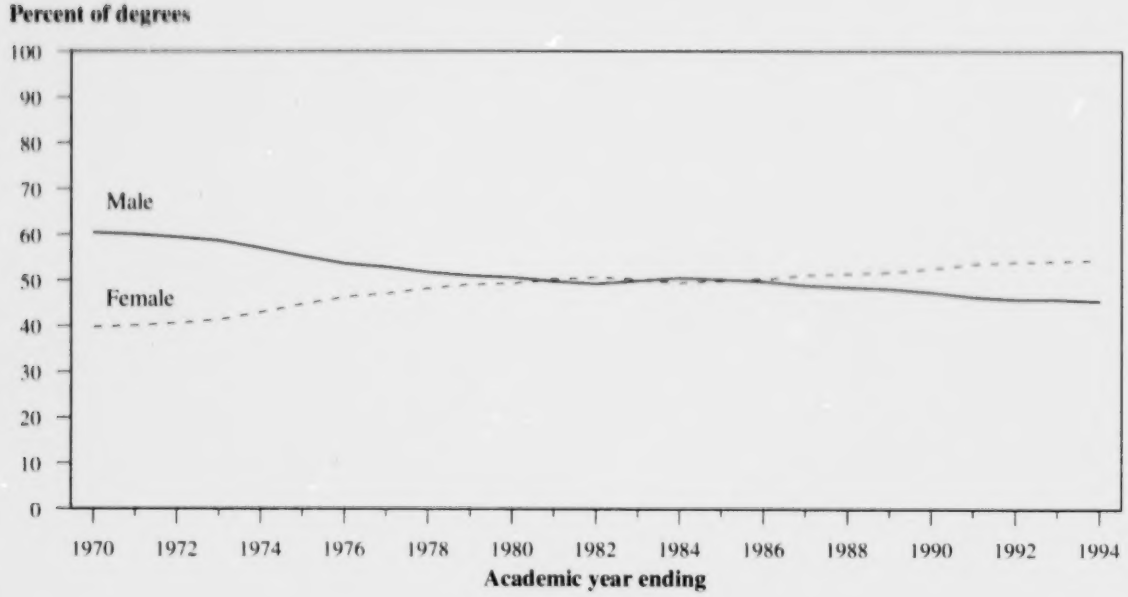
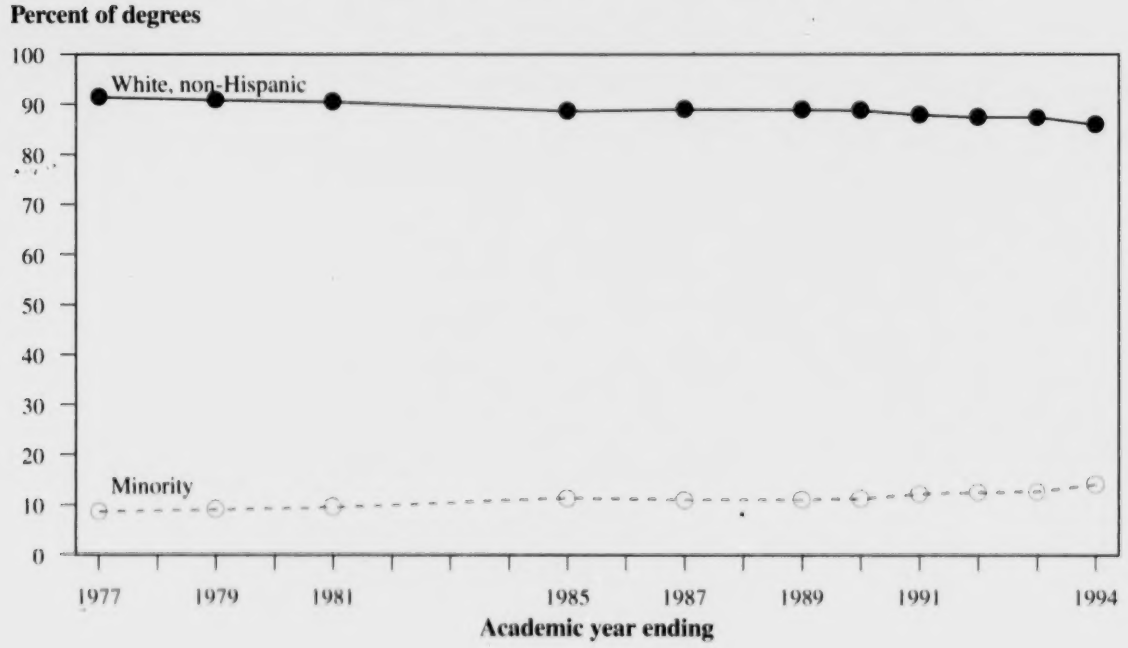
Figure 1.8: Percent of master's degrees conferred, by sex: 1970 to 1994



Females earned 40 percent of all master's degrees awarded in 1970, and this proportion increased to over half by 1981. Through the early 1980s, the percent of master's degrees earned by males and females was approximately equal, but from 1986 to 1994, females consistently earned more than half of all master's degrees awarded.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 1.9: Percent of doctor's degrees conferred to resident students, by minority status: 1977 to 1994

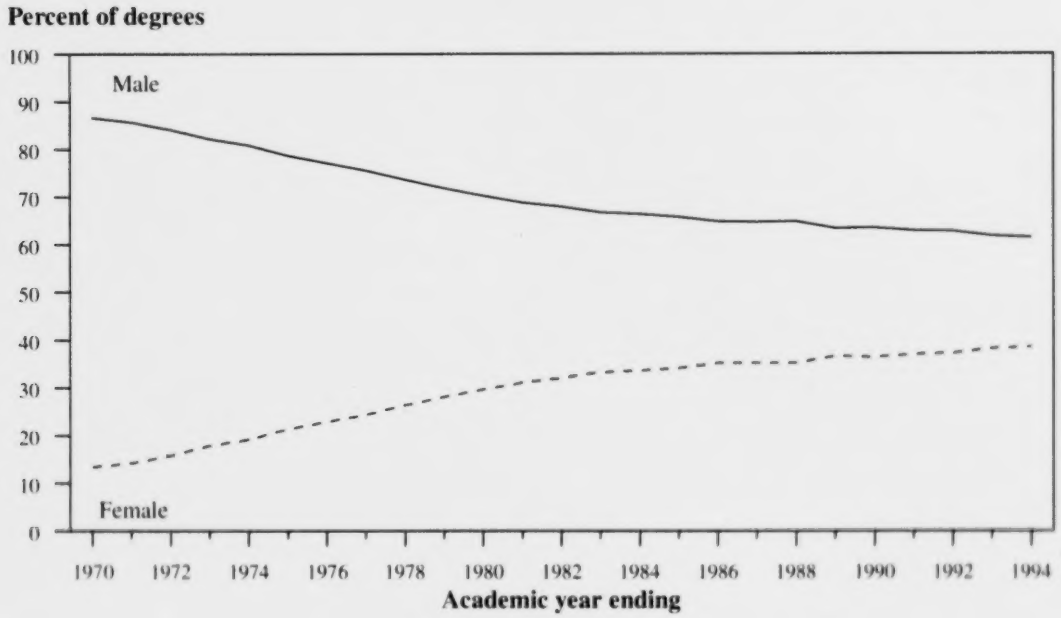


The percent of doctor's degrees earned by resident minority students increased between 1977 and 1994. In 1977, minority students earned 9 percent of all doctor's degrees awarded to resident students. By 1994, minority students earned 14 percent of all doctor's degrees awarded to U.S. residents.

NOTE: Symbols indicate years for which data have been plotted.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

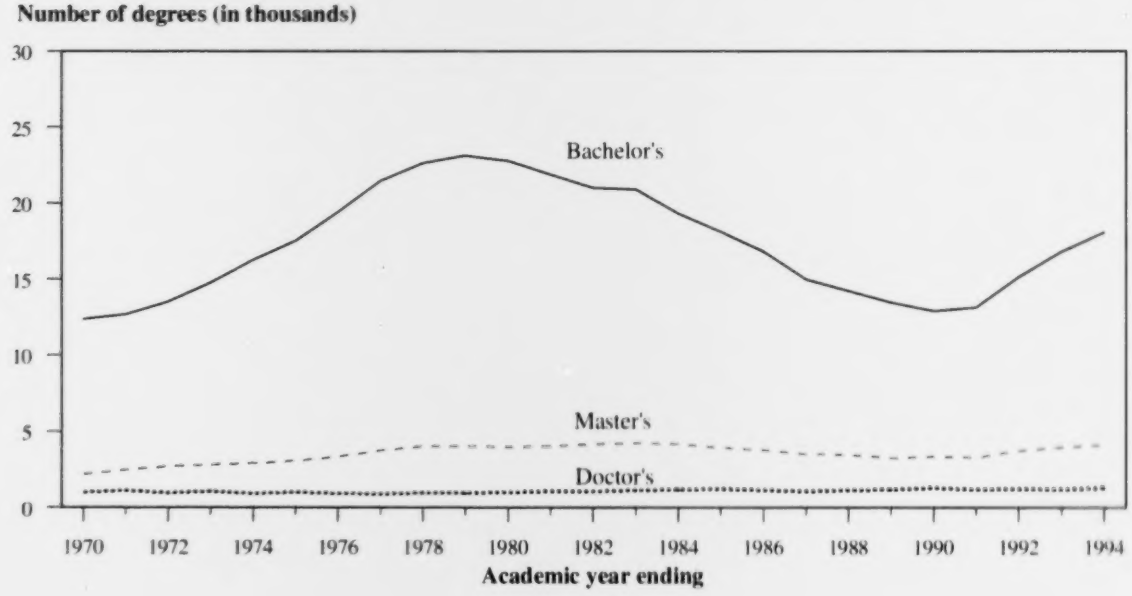
Figure 1.10: Percent of doctor's degrees conferred, by sex: 1970 to 1994



Although males still earn a larger percentage of doctor's degrees than females, the gap closed considerably between 1970 and 1994. As of 1994, females earned 39 percent of all doctor's degrees awarded, an increase from 13 percent of all doctor's degrees awarded in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

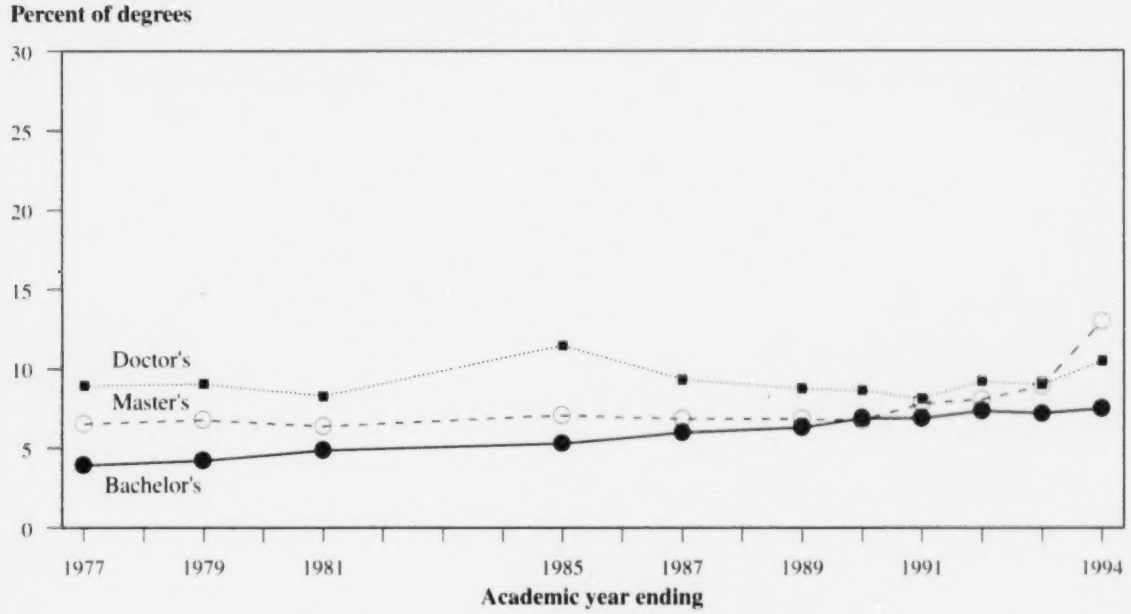
Figure 2.1: Number of degrees conferred in agriculture and natural resources, by degree level: 1970 to 1994



After a sharp increase of approximately 10,000 degrees earned between 1970 and 1980, the number of bachelor's degrees earned in agriculture and natural resources declined by 1990 to a level only slightly higher than in 1970. Between 1990 and 1994, another growth period began in the number of students earning bachelor's degrees in agriculture. The number of master's degrees earned in agriculture almost doubled between 1970 and 1994. The number of doctor's degrees earned, while generally increasing between 1970 and 1994, grew at a slower rate than the number of master's degrees.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 2.2: Percent of degrees in agriculture and natural resources conferred to minorities, by degree level: 1977 to 1994

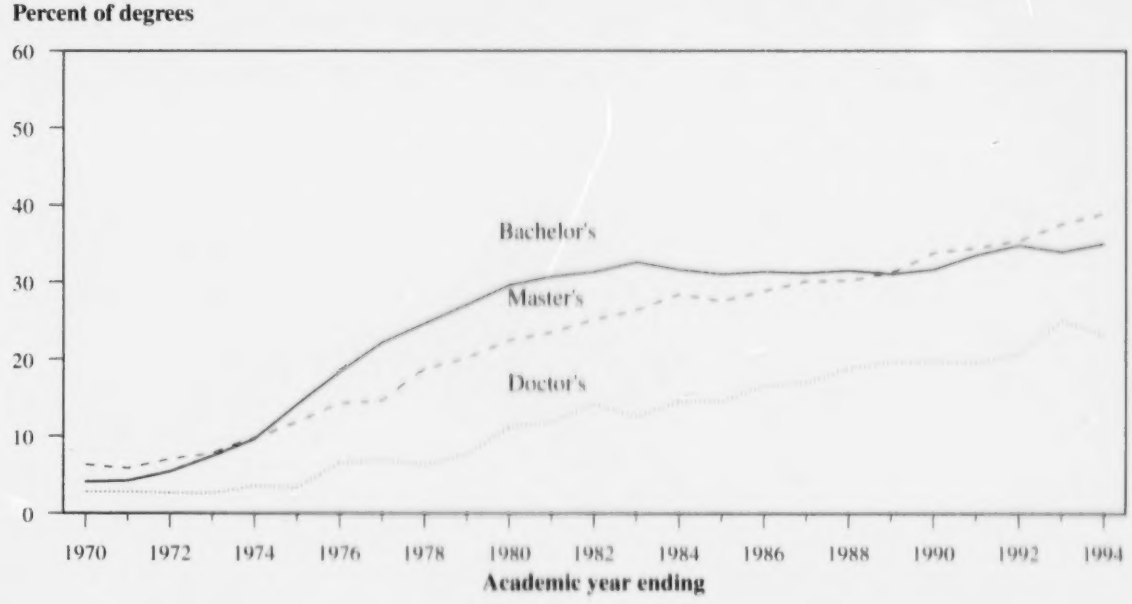


The percent of bachelor's, master's, and doctor's degrees in agriculture and natural resources conferred to minorities increased between 1977 and 1994. Minority receipt of master's degrees in agriculture increased most dramatically between 1990 and 1994. Although the percent of doctor's degrees earned by minority students in agriculture generally is higher than the percent of bachelor's or master's degrees, there is fluctuation which may be due in part to the small number of students receiving doctor's degrees in agriculture.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 2.3: Percent of degrees in agriculture and natural resources conferred to women, by degree level: 1970 to 1994



The percent of degrees in agriculture and natural resources conferred to women increased within all degree levels between 1970 and 1994. As of 1994, women were most represented among master's degree recipients, where they comprised 39 percent of all degrees conferred. Among the three degree levels, women were consistently least represented among doctor's degree recipients. Still, the percent of doctor's degrees in agriculture conferred to women increased from 3 percent in 1970 to 23 percent in 1994. The most pronounced increase among the three degree levels occurred among bachelor's degree recipients in the 1970s and early 1980s; four percent of all degrees were conferred to women in 1970, and 33 percent by 1983. After this swift increase, however, the percent of bachelor's degrees in agriculture conferred to women remained almost constant until 1990, after which another increase occurred.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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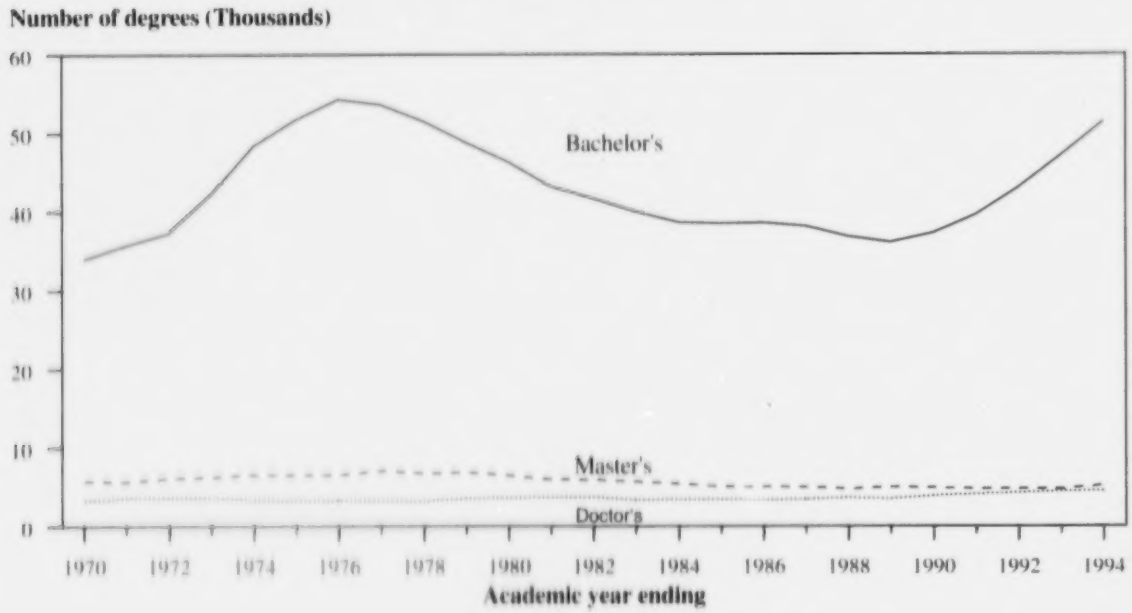
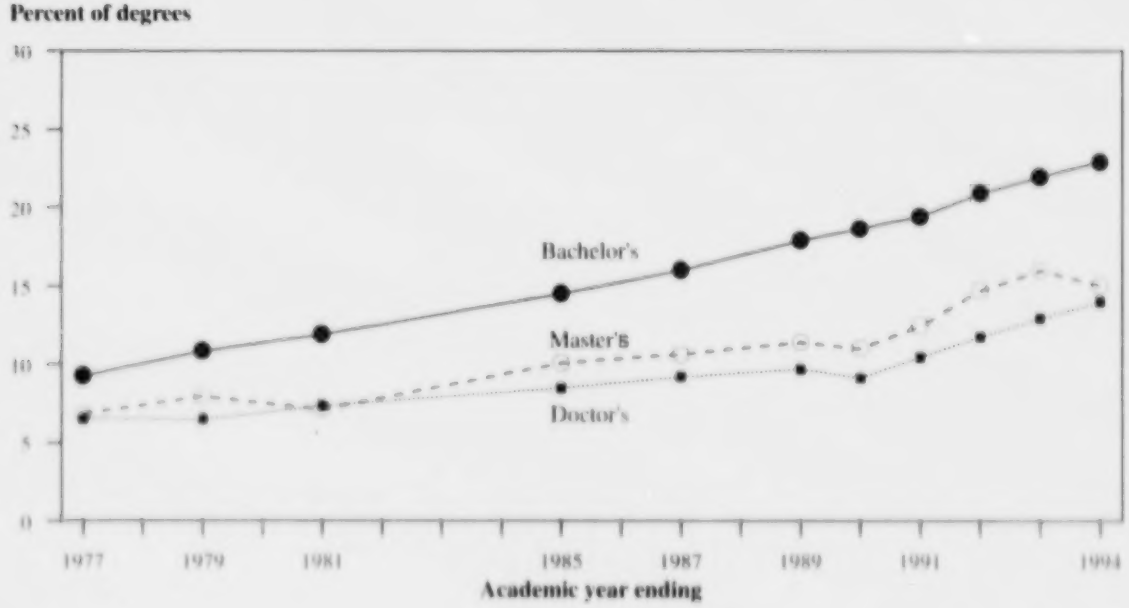
Figure 3.1: Number of degrees conferred in biological sciences/ life sciences, by degree level: 1970 to 1994



The number of bachelor's degrees conferred in biological sciences/life sciences grew rapidly between 1970 and 1976, from 34,000 to 54,000. But by 1989, the number declined to levels almost equal to those of 1971. Between 1989 and 1994, the number of bachelor's degrees in biological and life sciences increased again, but as of 1994 it had yet to reach 1976 levels. Between 1970 and 1994, the number of master's degrees awarded in the biological and life sciences generally decreased, and the number of doctor's degrees fluctuated from 1970 to 1989, but slowly increased thereafter, so that by 1993 the number of doctor's degrees awarded almost equalled the number of master's degrees.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 3.2: Percent of degrees in biological sciences/ life sciences conferred to minorities, by degree level: 1977 to 1994

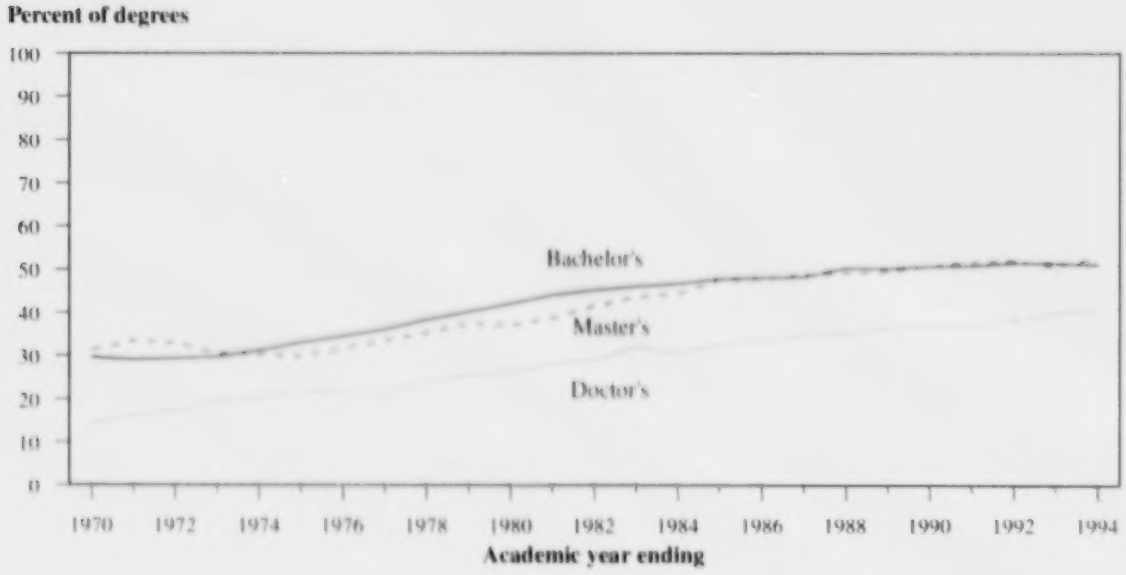


The proportion of biological sciences/life sciences degrees awarded to minority students increased at all degree levels between 1977 and 1994. This increase was particularly pronounced among bachelor's degree recipients, where the proportion of minority students increased from 9 percent in 1977 to 23 percent in 1994.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 3.3: Percent of degrees in biological sciences/life sciences conferred to women, by degree level: 1970 to 1994



The proportion of biological sciences/life sciences degrees awarded to women increased at all three degree levels between 1970 and 1994. Women comprised approximately half of all recipients of bachelor's and master's degrees as of the late 1980s, and continued to do so through 1994. Although women still comprised less than half of all doctor's degree recipients in biological and life sciences in 1994, the percent of doctor's degrees conferred to women increased from 14 percent in 1970 to 41 percent in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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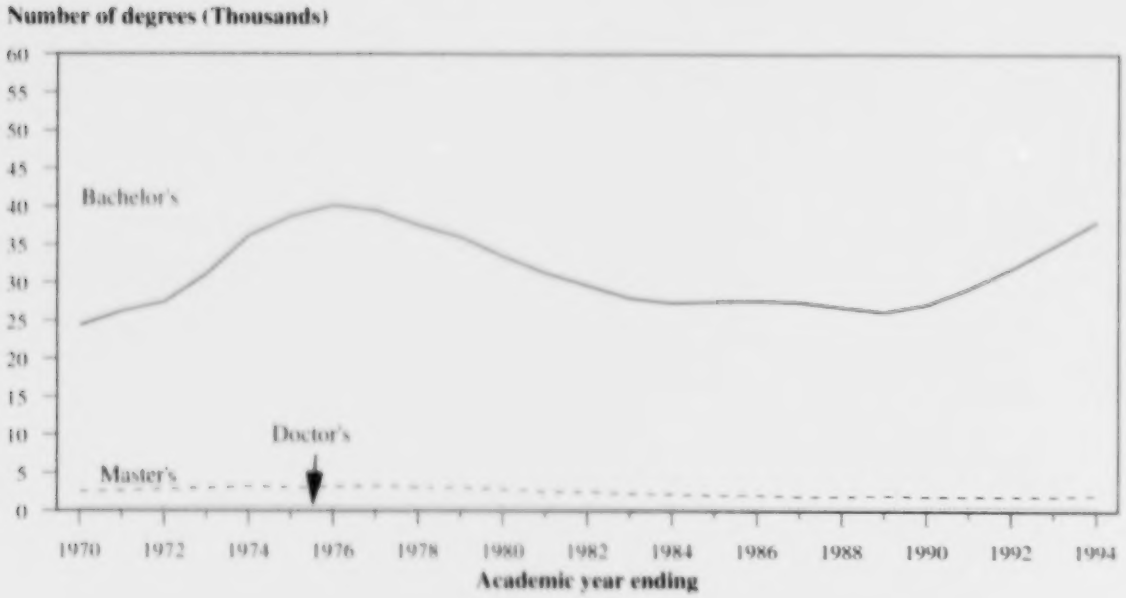
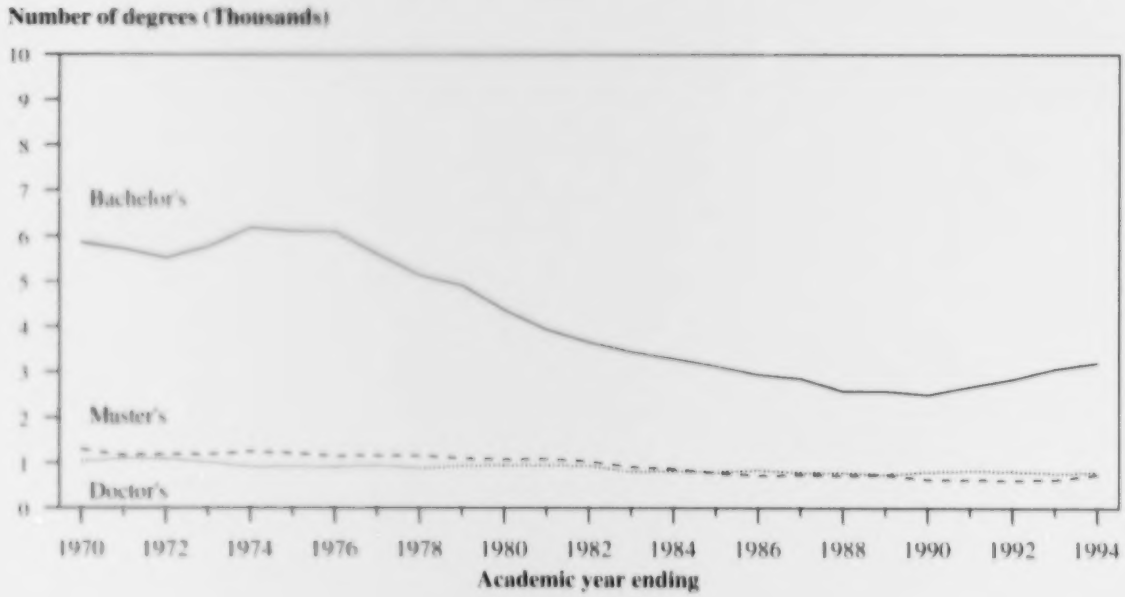
Figure 3.4: Number of degrees conferred in biology, by degree level: 1970 to 1994



The number of bachelor's degrees conferred in biology increased about 40 percent from 1970 to 1994, from 24,000 to 38,000. However, there were important fluctuations during this period. The number of bachelor's degrees in biology increased by 65 percent between 1970 and 1976. Then, number of bachelor's degrees in biology dropped from 1976 to 1989, to a level about the same as 1971. The number of bachelor's degrees in biology increased during the early1990s, reaching a level in 1994, that was slightly below the peak of 1976. Fewer master's degrees were awarded in this field in 1994 than in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

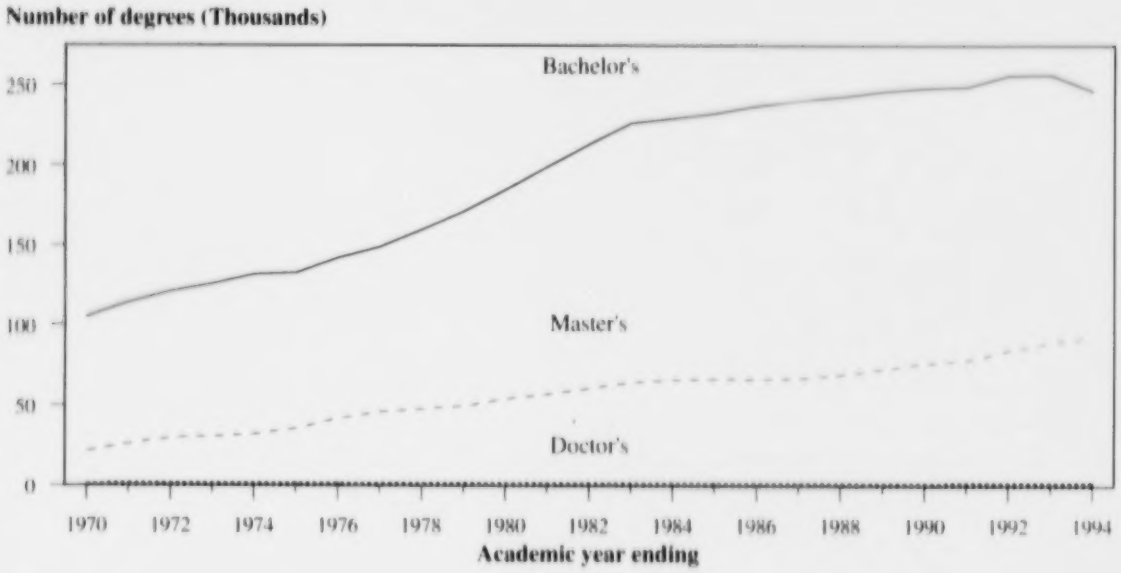
Figure 3.5: Number of degrees conferred in zoology, by degree level: 1970 to 1994



The number of bachelor's degrees conferred in zoology decreased between 1970 and 1994, from 6,200 to 3,200. The number of master's and doctor's degrees declined as well.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 4.1: Number of degrees conferred in business, by degree level: 1970 to 1994

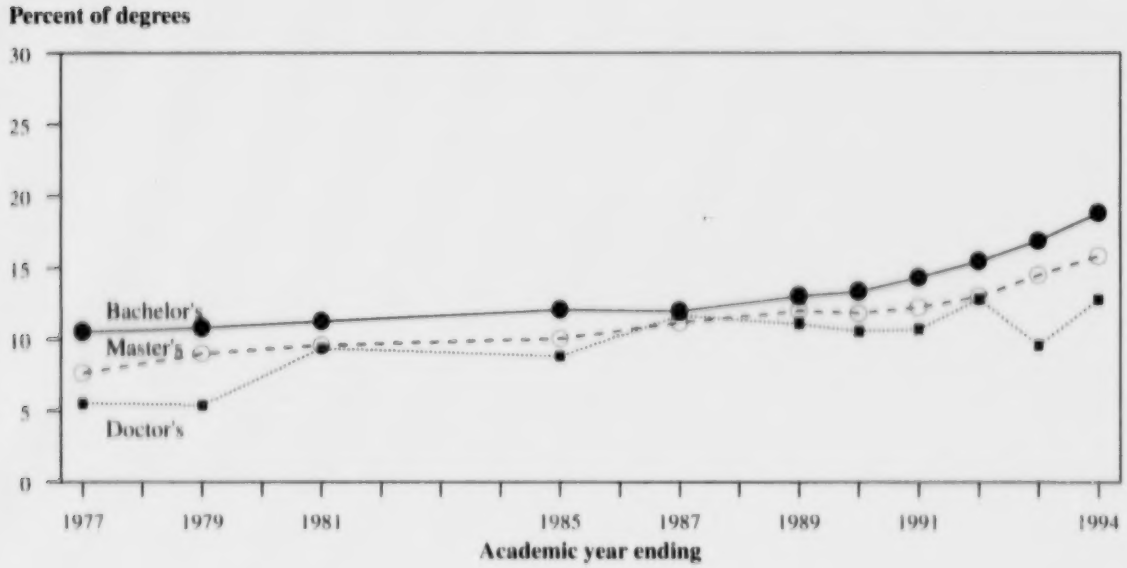


Between 1970 and 1994, the number of bachelor's and master's degrees earned in business increased by more than 100 percent. By 1994, students earned almost 247,000 bachelor's and over 93,000 master's degrees in this field, compared to 105,000 and 22,000 respectively in 1970.

NOTE: Business includes business management and administrative services, marketing operations/marketing distribution, and consumer and personal services.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 4.2: Percent of degrees in business conferred to minorities, by degree level: 1977 to 1994

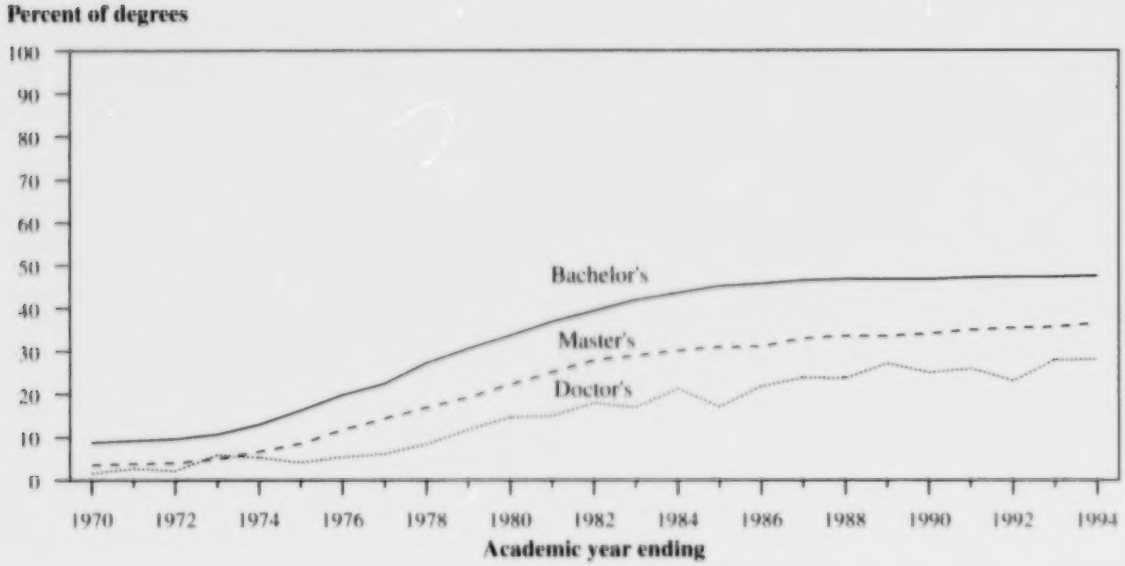


The percent of degrees conferred to minority students in business increased at all degree levels between 1977 to 1994. The percent of bachelor's degrees awarded to minorities increased from 11 to 19 percent, and the percent of master's degrees awarded increased from 8 to 16 percent. The proportion of doctor's degrees conferred to minorities fluctuated from year to year, with a total increase of 5 percentage points from 1977 to 1994. However, this fluctuation may be due to the relatively small number of students receiving doctor's degrees in business and management.

NOTE: Symbols indicate years for which data have been plotted. Business includes business management and administrative services, marketing operations/marketing distribution, and consumer and personal services. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 4.3: Percent of degrees in business conferred to women, by degree level: 1970 to 1994

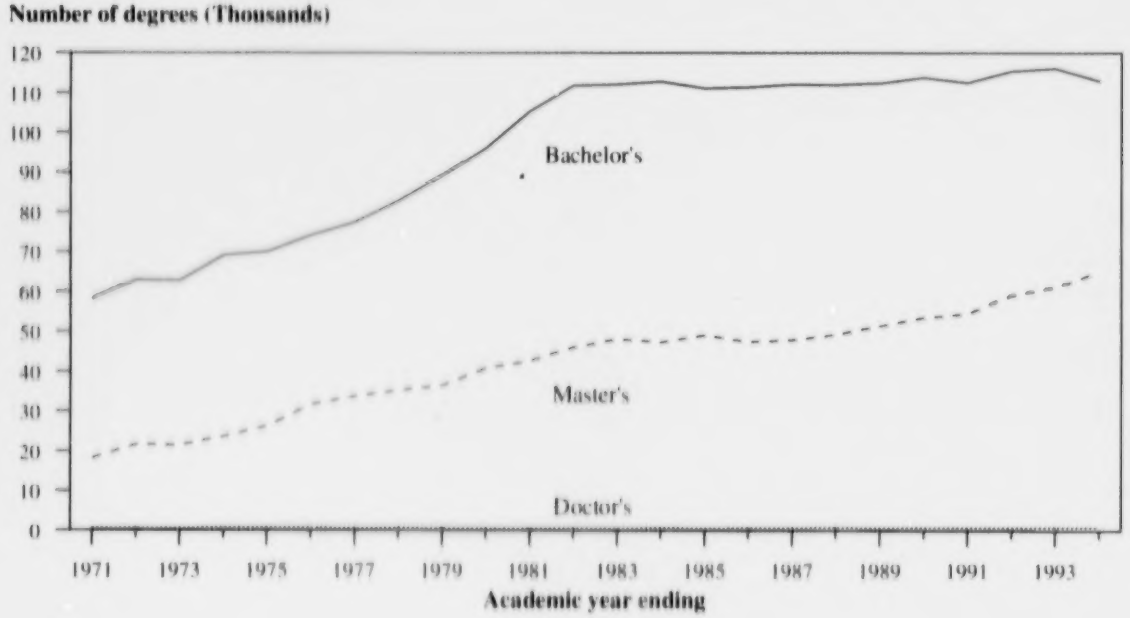


The percent of degrees in business conferred to women increased at all levels between 1970 and 1994. Women earned 28 percent of all doctor's degrees and 37 percent of all master's degrees awarded in this field in 1994, compared to 2 percent and 4 percent, respectively, in 1970. Among bachelor's degree recipients, women earned almost half of all degrees in business and management in 1994, an increase from 9 percent in 1970.

NOTE: Business includes business management and administrative services, marketing operations/marketing distribution, and consumer and personal services.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 4.4: Number of degrees conferred in business administration and management, by degree level: 1971 to 1994

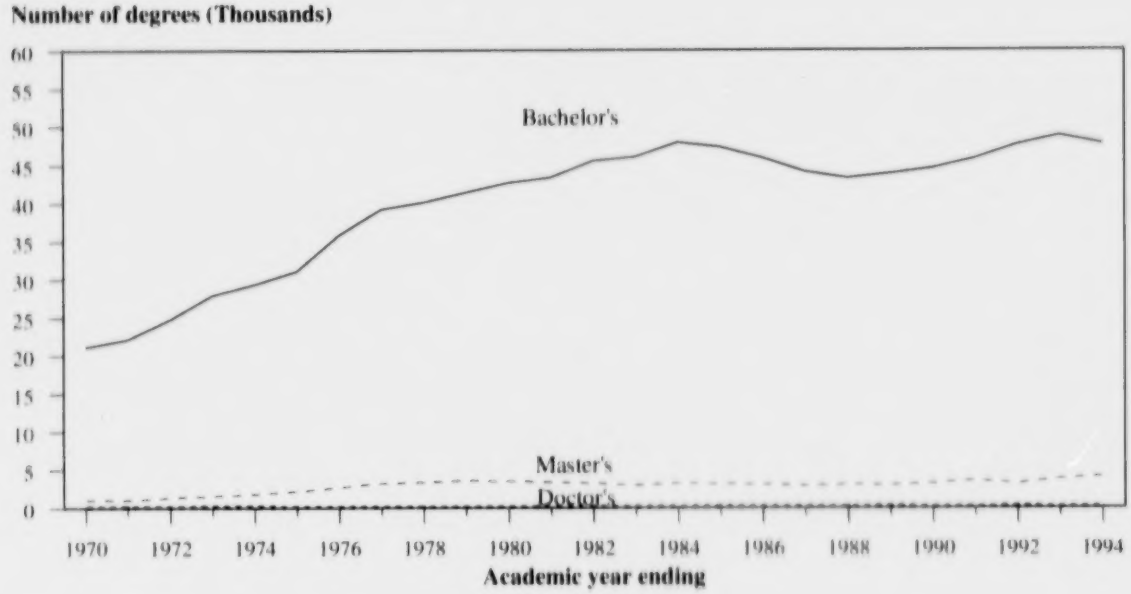


The number of bachelor's degrees conferred in business increased during the 1970s through the early 1980s, from 58,000 in 1971 to 113,000 in 1994. Changes in the number of bachelor's degrees from 1982 to 1994 have been relatively modest. Like the bachelor's degrees, the number of master's degrees rose steadily through the 1970s. But, in contrast to the stable pattern for bachelor's degrees during the later 1980s and early 1990s, the number of master's degrees continued to rise.

NOTE: Data from 1970 are not comparable to data from later years. Consequently, 1970 data have been omitted. Includes degrees in "Business, general" and "Business administration and management, total."

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 4.5: Number of degrees conferred in accounting, by degree level: 1970 to 1994



The number of degrees conferred in accounting increased within all degree levels from 1970 to 1994. This increase was most pronounced among master's degree recipients, where the number conferred in 1970, approximately 1,100, grew almost fourfold by 1994, to approximately 4,200. The number of bachelor's degrees conferred in accounting increased from approximately 21,000 in 1970 and, except for a brief decline in the later 1980s, reached almost 48,000 by 1994. The number of doctor's degree recipients, while fluctuating during the 24 year time period displayed here, remained very small, with fewer than 100 in every year.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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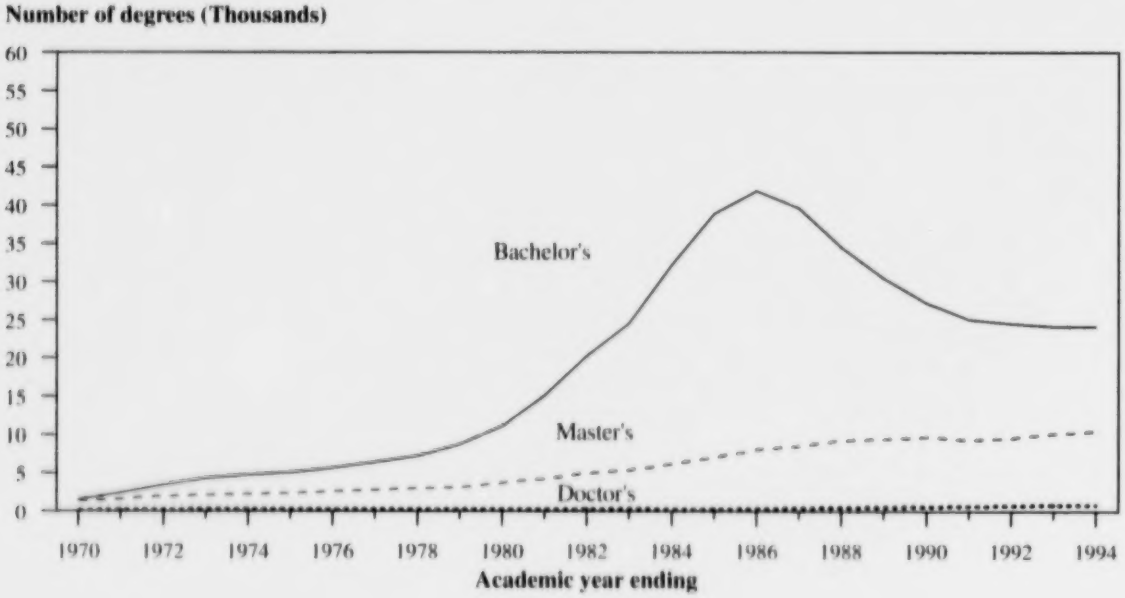
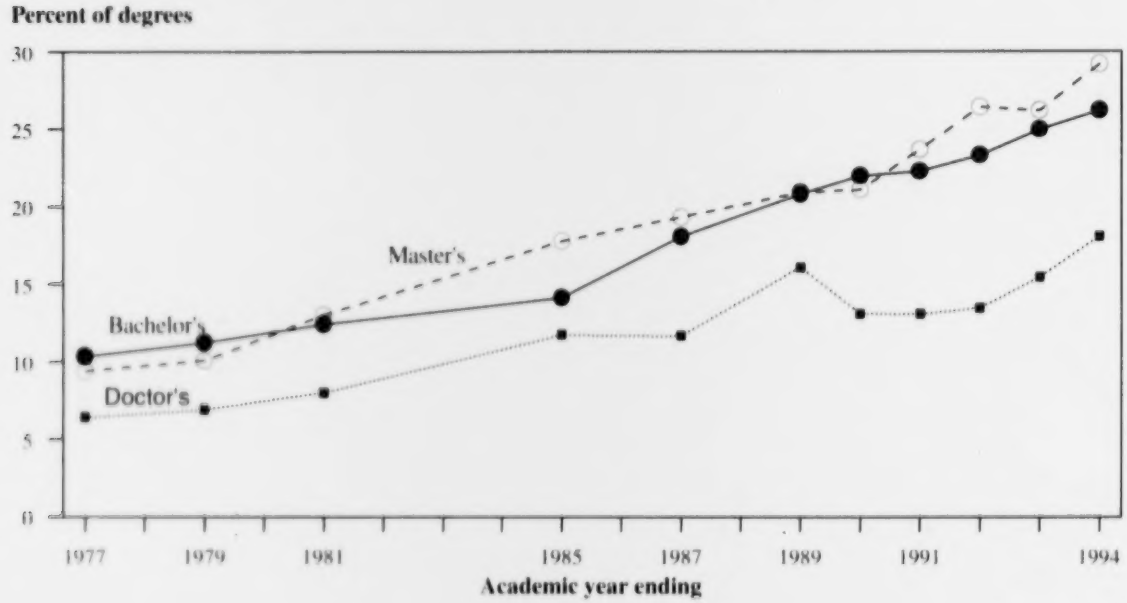
Figure 5.1: Number of degrees conferred in computer and information sciences, by degree level: 1970 to 1994



The number of bachelor's degrees awarded in computer and information sciences followed a different pattern than that of the master's and doctor's degrees. The number of bachelor's degrees rose rapidly during the 1970s and early 1980s, growing from 1,500 in 1970 to 42,000 in 1986, but then declined to 24,000 in 1994. In contrast, the number of master's and doctor's degrees awarded in computer sciences increased most years between 1970 and 1994. For example, the master's degrees increased from about 1,500 in 1970 to over 10,000 in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 5.2: Percent of degrees in computer and information sciences conferred to minorities, by degree level: 1977 to 1994

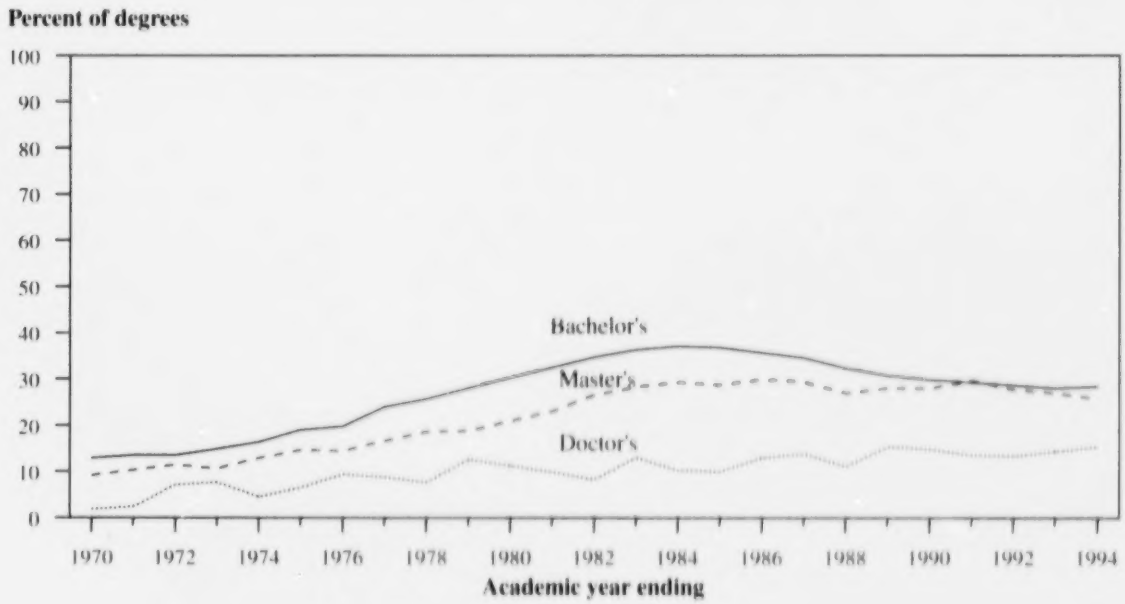


Across all degree levels, the percent of degrees in computer and information sciences conferred to resident minority students increased between 1977 and 1994. By 1994, 26 percent of all bachelor's, 29 percent of all master's, and 18 percent of all doctor's degrees in computer science were conferred to minorities. This was an increase from 10 percent, 9 percent, and 6 percent, respectively, in 1977.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

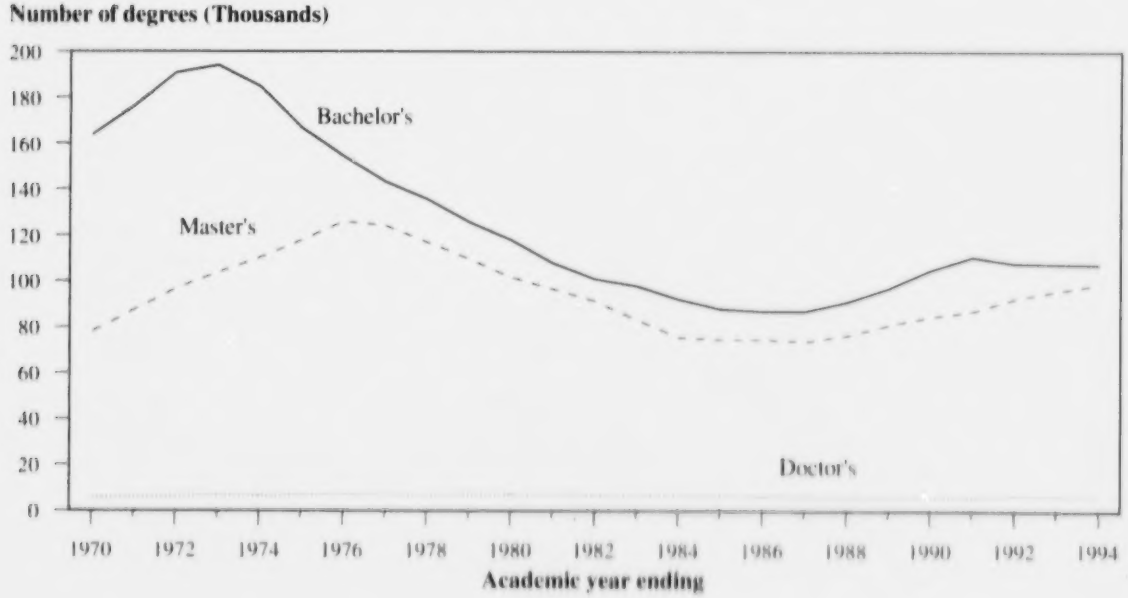
Figure 5.3: Percent of degrees in computer and information sciences conferred to women, by degree level: 1970 to 1994



The proportion of computer and information sciences degrees conferred to women demonstrated somewhat different patterns at the bachelor's, master's, and doctor's degree levels. The proportion of bachelor's degrees awarded to women peaked in 1984 at 37 percent, and then fell from 1984 to 1993. The proportion of master's degrees awarded to women peaked in 1986 at 30 percent, and then remained stable between 1986 and 1991, before declining slightly through 1994. The proportion of computer science doctor's degrees that were conferred to women increased overall between 1970 and 1994, from 2 to 15 percent.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

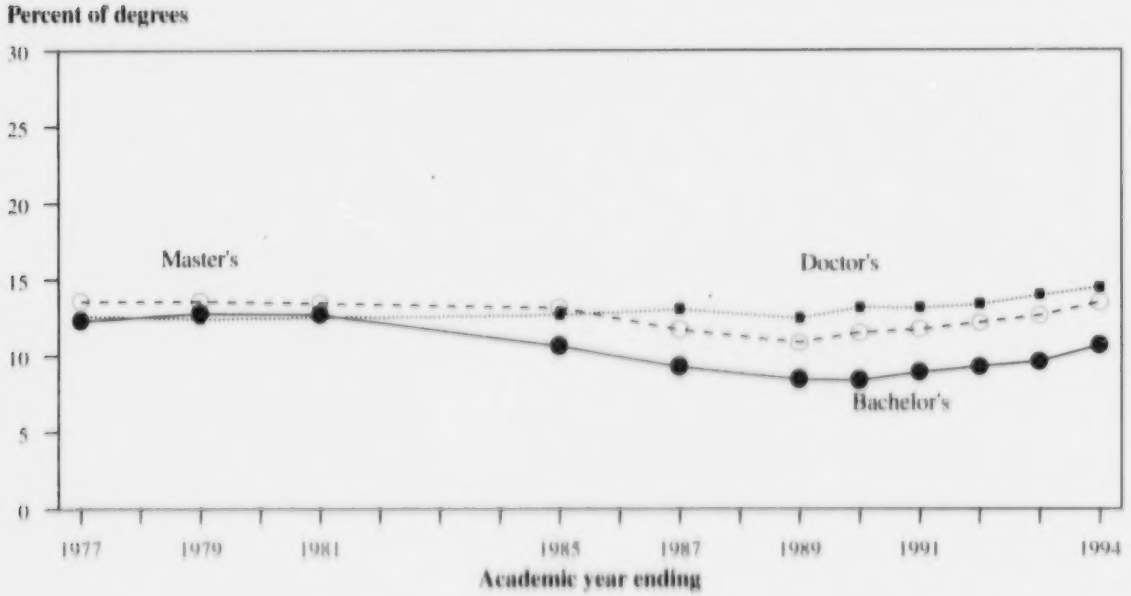
Figure 6.1: Number of degrees conferred in education, by degree level: 1970 to 1994



The number of bachelor's and master's degrees conferred in education dropped precipitously after the mid 1970s. The number of bachelor's degrees conferred in education peaked in 1973 at about 194,000, whereas the number of master's degree recipients peaked in 1976 at 126,000. By the mid 1980s, the number of bachelor's and master's degrees conferred in education was less than half of the peak of the 1970s. The number of bachelor's and master's degrees in education increased during the mid-1980s to 1994, while the number of doctor's degrees showed an overall increase between 1970 and 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 6.2: Percent of degrees in education conferred to minorities, by degree level: 1977 to 1994

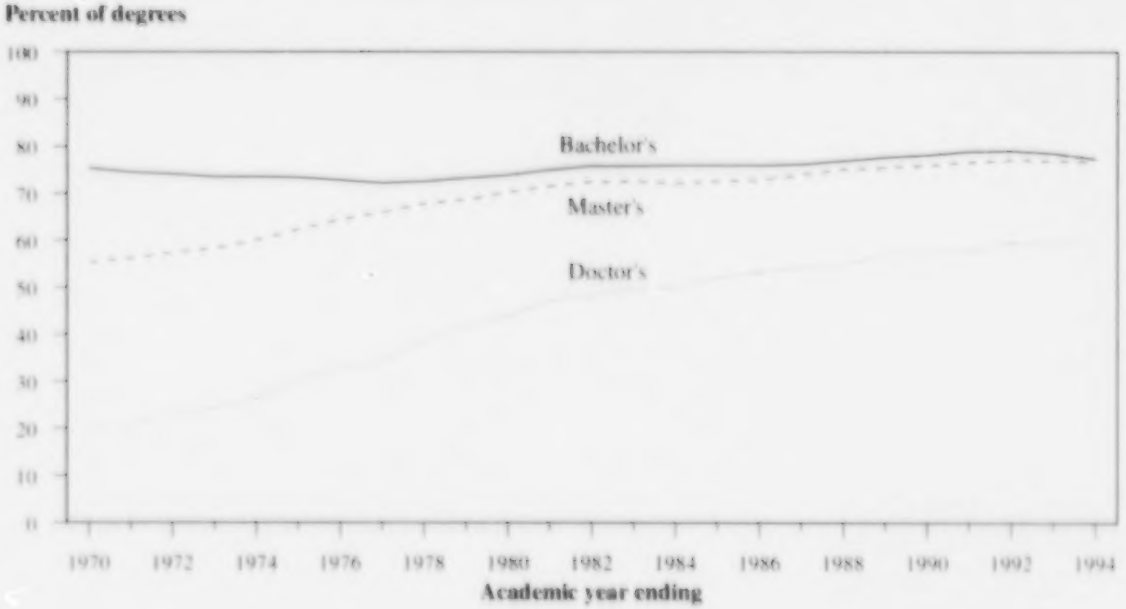


Between 1977 and 1989, the percent of bachelor's and master's degrees in education conferred to resident minority students decreased. For example, while 12 percent of all bachelor's degrees and 14 percent of all master's degrees in education were conferred to minority students in 1977, by 1989 the representation of minority students among bachelor's and master's degree recipients dropped to 8 percent and 11 percent, respectively. Although the percent of these degrees conferred to minority students increased again from 1989 to 1994, the percent of bachelor's degrees conferred to minorities in 1994 still had not reached levels equal to those of the late 1970s. From 1977 to 1994, the percent of doctor's degrees in education conferred to minorities increased slightly, from 13 to 15 percent.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

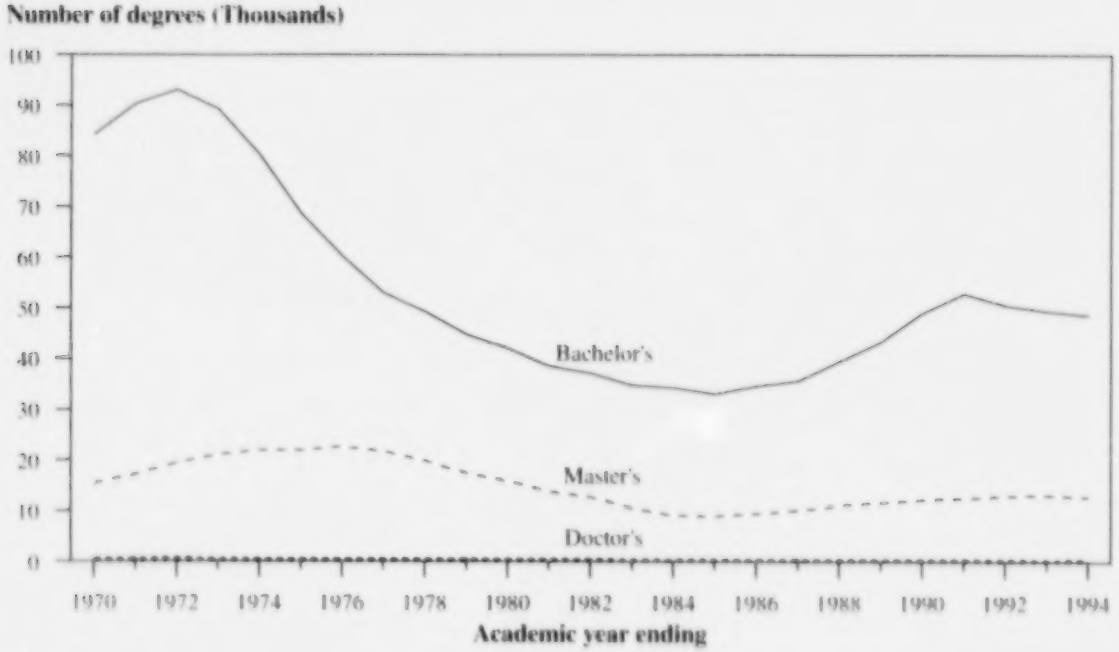
Figure 6.3: Percent of degrees in education conferred to women, by degree level: 1970 to 1994



Since 1970, women consistently were awarded the majority of bachelor's and master's degrees in education. By 1994, 77 percent of all bachelor's and master's degrees in this field were awarded to women. There was no change at the bachelor's degree level during this time period, but there was an increase at the master's degree level. The proportion of doctor's degrees awarded to women rose from 20 percent in 1970 to 61 percent in 1994. From 1984 to 1994, more than half of all doctor's degrees in education were conferred to women.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

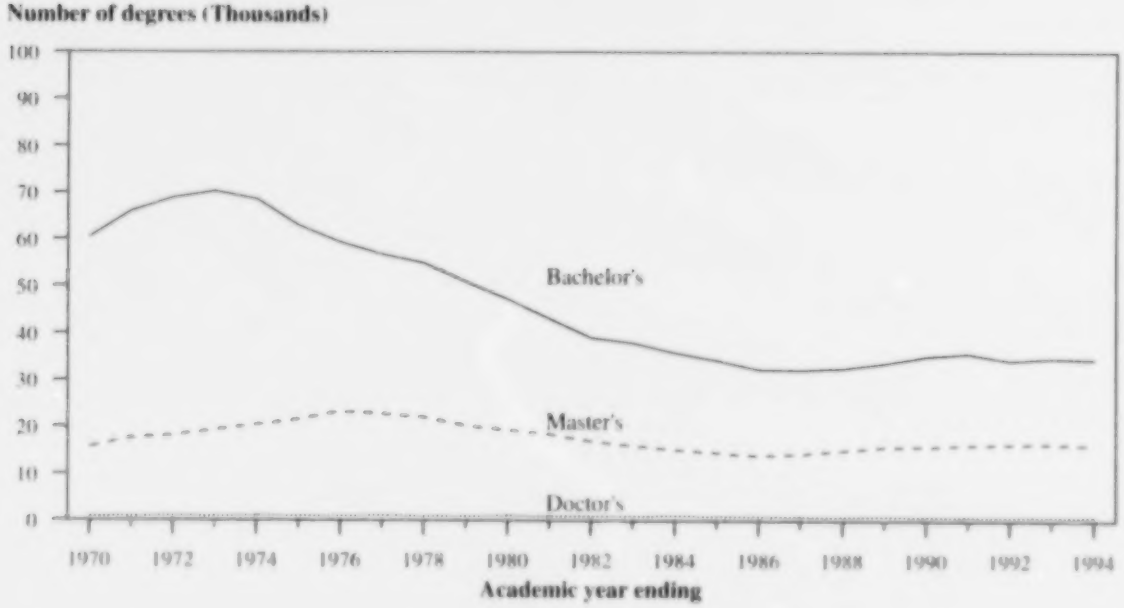
Figure 6.4: Number of degrees conferred in elementary education, by degree level: 1970 to 1994



After a peak of 93,000 in 1972, the number of bachelor's degrees conferred in elementary education declined steeply until 1985, when students earned about 33,000 bachelor's degrees. From 1985 until 1991, the number of bachelor's degrees conferred in elementary education increased to 53,000, and then began to decrease again. The number of master's degree recipients peaked at 23,000 in 1976. From 1976, the trend in master's degrees conferred in elementary education followed a pattern similar to bachelor's degrees, reaching a low of just over 9,000 in 1985 and then rising slightly until the early 1990s. The number of doctor's degrees also decreased overall between 1970 and 1994, from 217 to 91.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 6.5: Number of degrees conferred in teacher education, by degree level: 1970 to 1994



The number of bachelor's degrees in academic and vocational teacher education increased by approximately 10,000 between 1970 to 1973, but then declined from 1973 to 1986. After 1986, the number of bachelor's degrees stabilized and increased slightly. Trends in the number of master's and doctor's degrees conferred in academic and vocational teacher education show a similar pattern of peak, decline and stability, but the differences are less pronounced than among bachelor's degree recipients.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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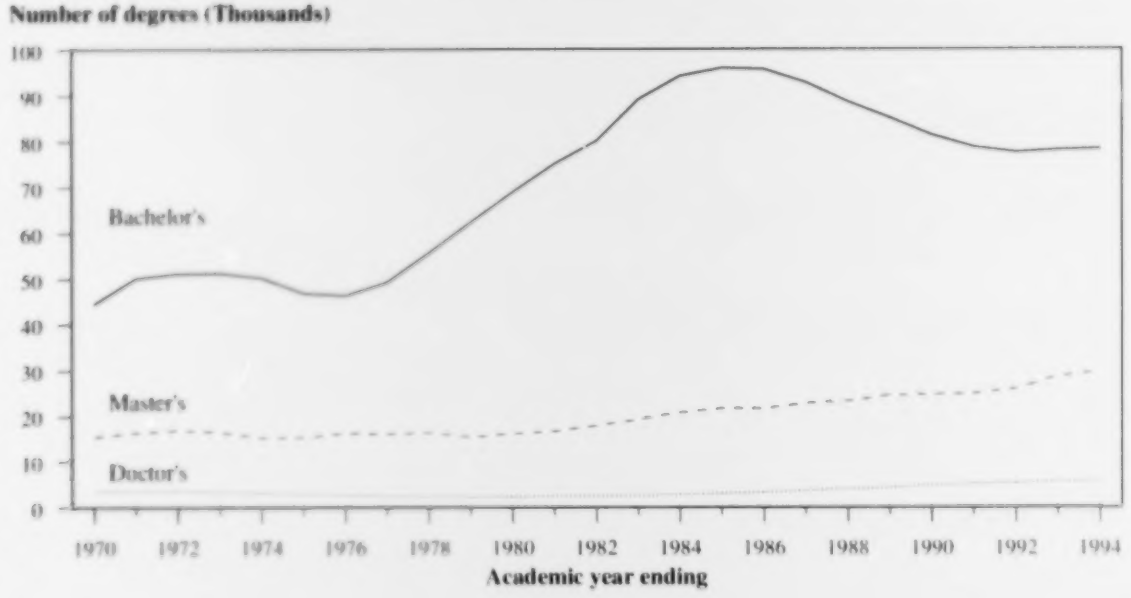
Figure 7.1: Number of degrees conferred in engineering, by degree level: 1970 to 1994

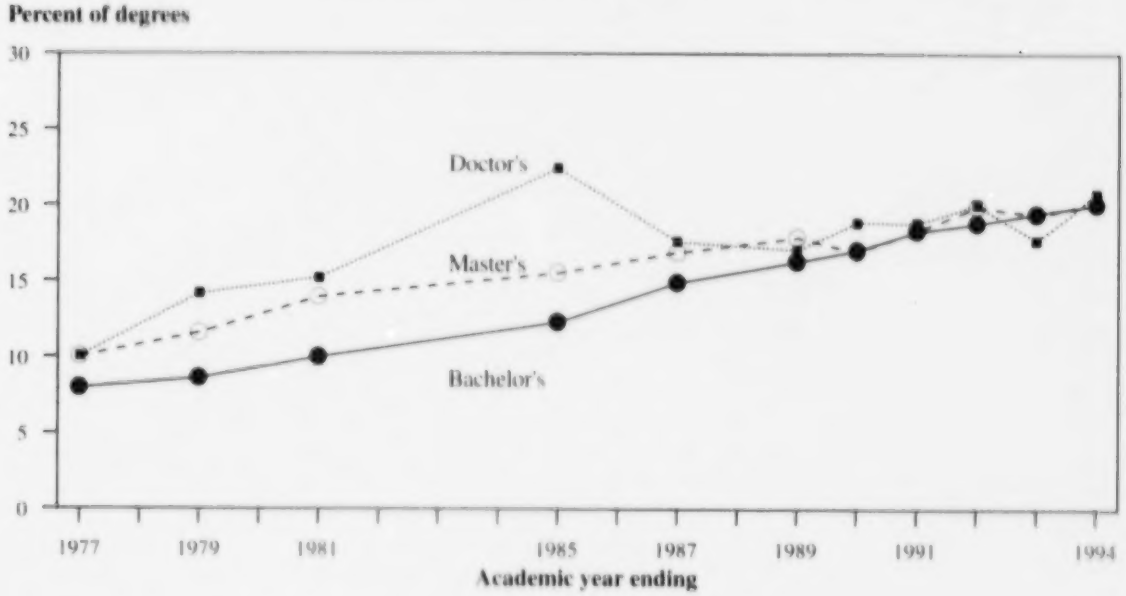


The number of bachelor's degrees conferred in engineering increased sharply from the mid-1970s to the mid-1980s, peaking in 1985 at 95,828 degrees. After 1985, the number of bachelor's degrees conferred in engineering declined, stabilizing after 1990 at approximately 78,000. The number of master's and doctor's degrees conferred in engineering increased overall between 1971 and 1994. In 1994, 29,754 master's degrees and 5,979 doctor's degrees were awarded, an increase from 16,443 and 3,638, respectively, in 1971.

NOTE: Includes degrees in engineering-related technologies, mechanics and repairers, and construction trades, except 1970, which includes only degrees in engineering.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 7.2: Percent of degrees in engineering conferred to minorities, by degree level: 1977 to 1994

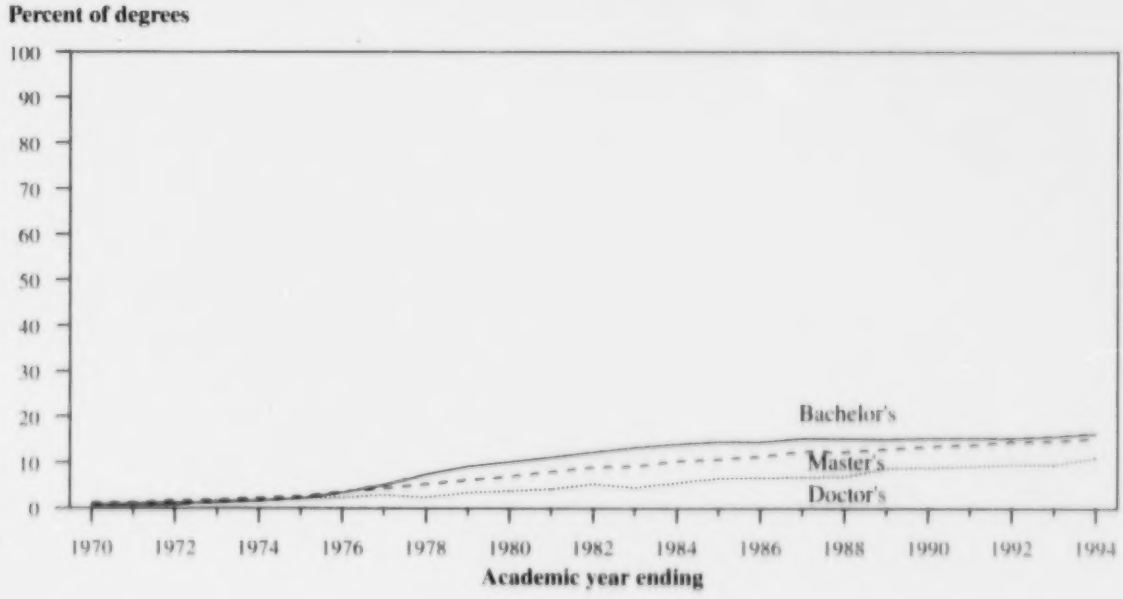


Overall, the percent of degrees in engineering conferred to minority students increased between 1977 and 1994 at all degree levels. In 1977, 8 percent of bachelor's degrees and 10 percent of master's and doctor's degrees were awarded to minority students. In 1994, minority students received 21 percent of the bachelor's, master's, and doctor's degrees conferred in engineering to U.S. graduates.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only. Includes degrees in engineering-related technologies, very small numbers in mechanics and repairers, and construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 7.3: Percent of degrees in engineering conferred to women, by degree level: 1970 to 1994

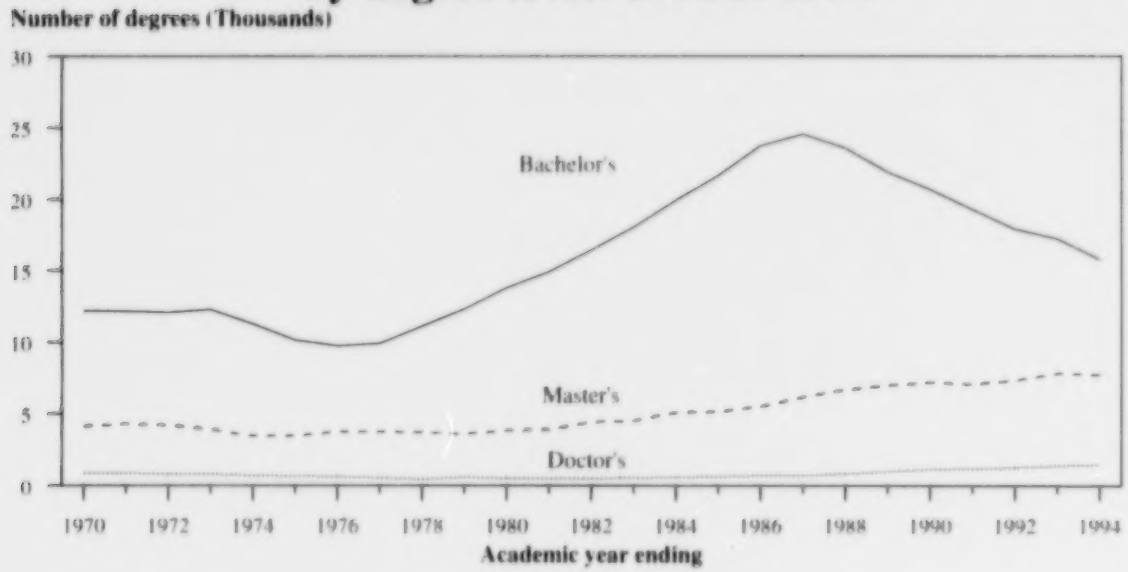


The proportion of bachelor's, master's, and doctor's degrees in engineering conferred to women increased nearly every year between 1970 and 1994. In 1970, women were awarded about 1 percent of degrees in engineering at all degree levels. In 1994, women received 16 percent of engineering bachelor's degrees, 16 percent of the master's degrees, and 11 percent of the doctor's degrees.

NOTE: Includes degrees in engineering-related technologies, mechanics and repairers, and construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

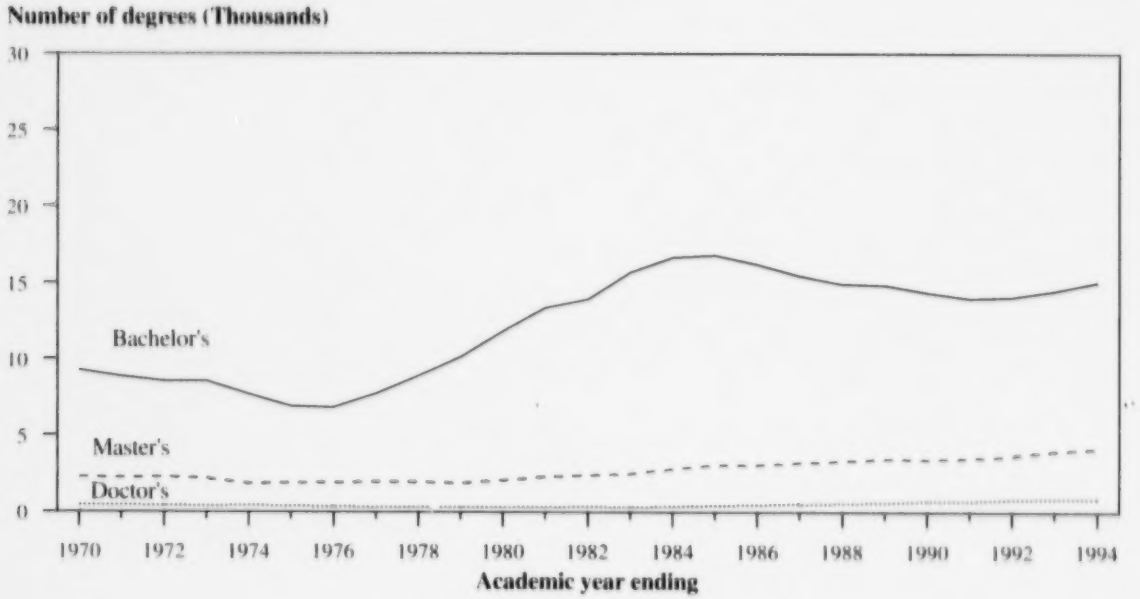
Figure 7.4: Number of degrees conferred in electrical, electronics, and communications engineering, by degree level: 1970 to 1994



After decreasing during the first half of the 1970s, the number of bachelor's degrees conferred in electrical, electronics, and communications engineering doubled between 1976 and 1987. After reaching 24,500 in 1987, the number of bachelor's degrees in electrical engineering declined each year, hitting 15,800 in 1994. Although the number of master's and doctor's degrees awarded in electrical engineering declined during the 1970s, rises during the 1980s and early 1990s resulted in an overall increase between 1970 and 1994. Among master's degree recipients, most of this increase occurred after 1983, and among doctor's degree recipients most of the increase occurred after 1987. In 1994, about 7,800 master's degrees and almost 1,500 doctor's degrees were awarded in electrical engineering.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

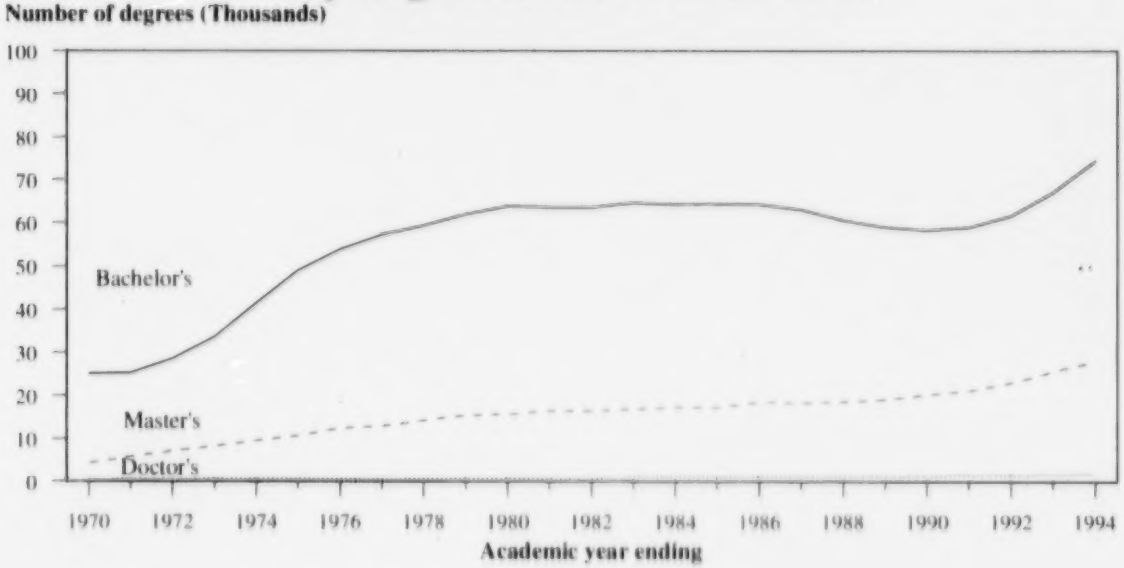
Figure 7.5: Number of degrees conferred in mechanical engineering, by degree level: 1970 to 1994



After a sharp increase between 1976 and 1985, the number of bachelor's degrees in mechanical engineering declined somewhat. In 1994, about 15,000 bachelor's degrees were conferred in mechanical engineering, an overall increase from about 9,000 in 1970 and 6,000 in 1976. The number of master's and doctor's degrees decreased between 1970 and 1979, and then grew between 1979 and 1994. Overall, the number of master's degrees in mechanical engineering increased from 2,297 in 1970 to 4,099 in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

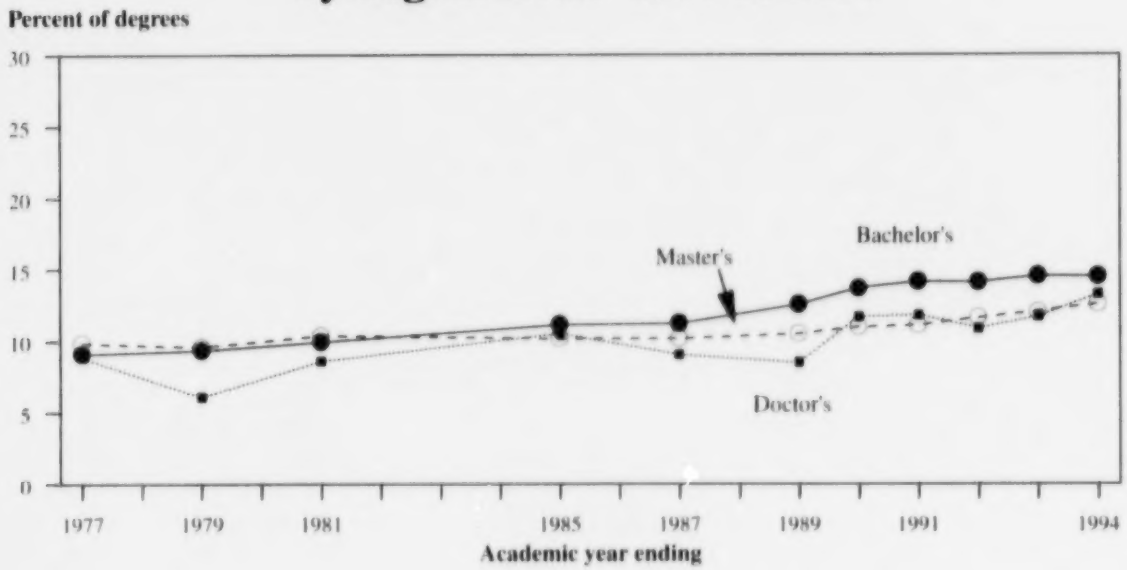
Figure 8.1: Number of degrees conferred in health professions and related sciences, by degree level: 1970 to 1994



The number of degrees conferred in health professions and related sciences increased overall from 1970 to 1994 within all degree levels. The increase within master's and doctor's degrees was gradual between 1970 and 1994, increasing from 4,488 master's degrees in 1970 to 28,025 in 1994 and from 357 doctor's degrees in 1970 to 1,902 in 1994. The number of bachelor's degrees conferred in health and related professions increased steeply between 1971 and 1980, from 25,226 to 63,920. From 1980 to 1994, the overall increase in bachelor's degrees was much smaller than during previous years, as degrees declined in the late 1980s and increased again in the early 1990s. By 1994, 74,421 bachelor's degrees were conferred in health professions and related sciences.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 8.2: Percent of degrees in health professions and related sciences conferred to minorities, by degree level: 1977 to 1994

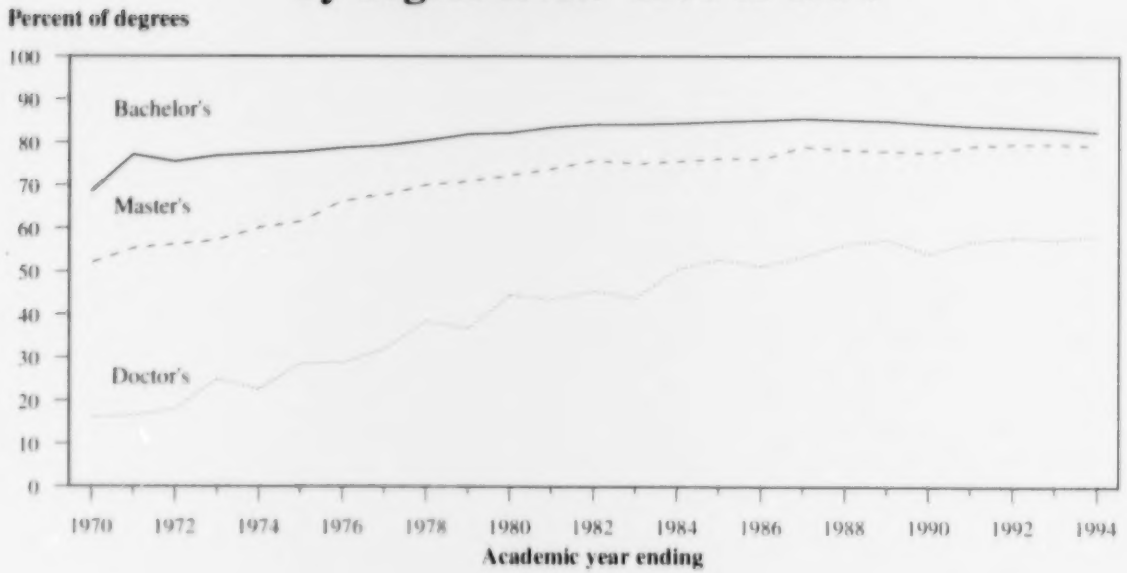


The percent of degrees in health professions and related sciences conferred to minority students increased from 1977 to 1994 at all degree levels. In 1977, less than 10 percent of degrees at all levels in health professions and related sciences were conferred to minority students. By 1994, 15 percent of bachelor's degrees, 13 percent of master's degrees and 13 percent of doctor's degrees were conferred to minorities. Doctor's degrees showed a decline in the percent conferred to minorities in the late 1980s, followed by an increase.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

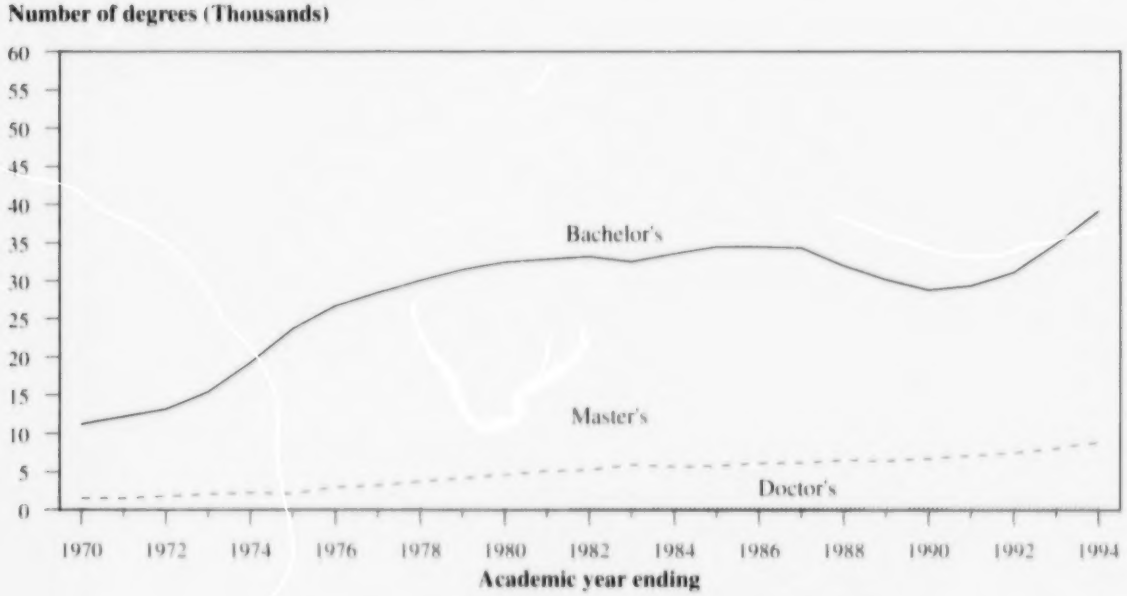
Figure 8.3: Percent of degrees in health professions and related sciences conferred to women, by degree level: 1970 to 1994



In 1970, women earned about 69 percent of bachelor's and 52 percent of master's degrees in health professions and related sciences. The proportion of these degrees awarded to women increased within both degree levels from 1970 to 1994, although increases among bachelor's degree recipients were more gradual than among master's degree recipients. By 1994, 82 percent of bachelor's degrees and 79 percent of master's degrees were conferred to women. The proportion of doctor's degrees in health professions conferred to women increased more than other degree levels. In 1970, 16 percent of doctor's degrees were conferred to women compared to 59 percent in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

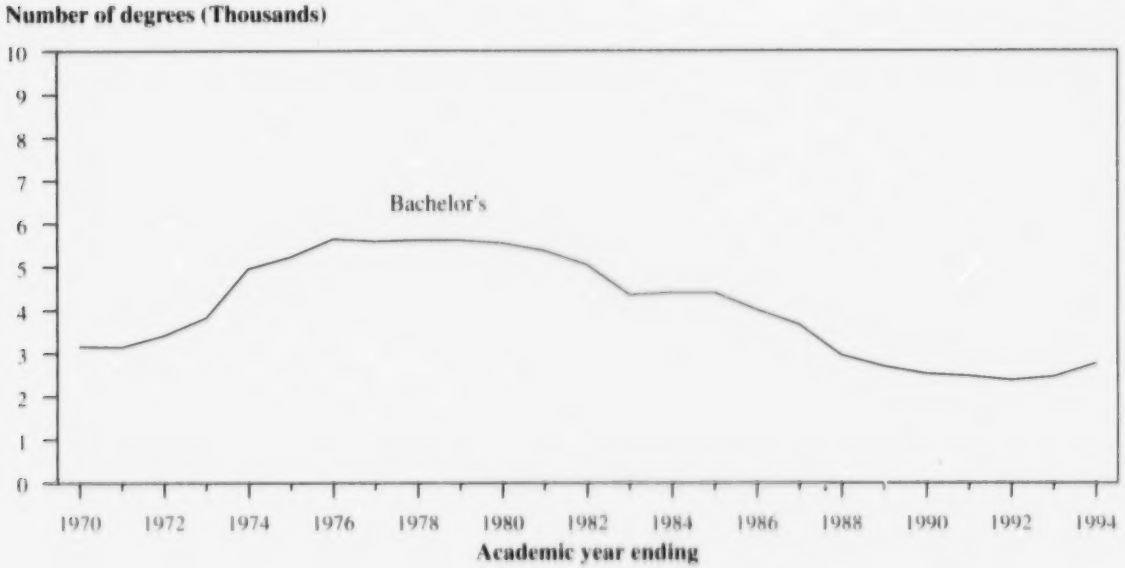
Figure 8.4: Number of degrees conferred in nursing, by degree level: 1970 to 1994



The number of bachelor's degrees conferred in nursing increased between 1970 and 1994 , except for a brief decline between 1986 and 1990. In 1970, approximately 11,200 bachelor's degrees were conferred in this field, and in 1994, almost 39,100 bachelor's degrees were awarded. The number of master's degrees conferred in nursing increased most years between 1970 and 1994, from 1,539 to 8,991. The number of doctor's degrees conferred in nursing, while a fraction of the number of master's degrees across all years presented here, nonetheless grew from 11 in 1970 to almost 400 in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

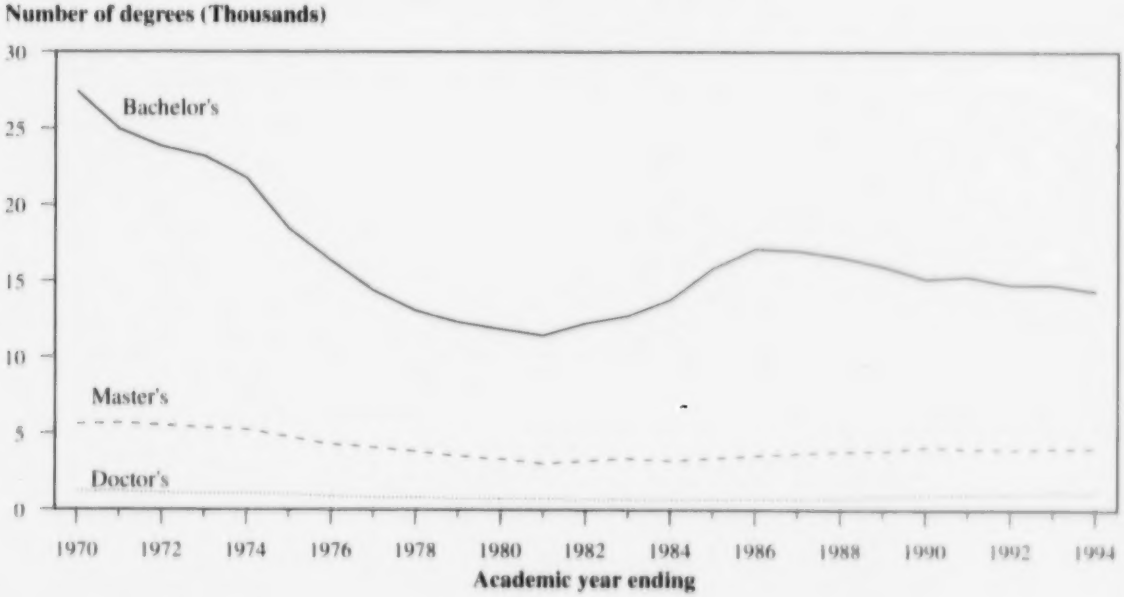
Figure 8.5: Number of bachelor's degrees conferred in health and medical laboratory technologies: 1970 to 1994



After increasing during the early 1970s and peaking in 1976, the number of bachelor's degrees conferred in health and medical laboratory technologies decreased.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 9.1: Number of degrees conferred in mathematics, by degree level: 1970 to 1994



From 1970 to 1981, the number of degrees conferred in mathematics declined within all degree levels. This decline was particularly acute among bachelor's degree recipients, who were awarded 27,442 degrees in mathematics in 1970, and 11,433 in 1981. Although increases across all degree levels occurred between 1982 and 1994, fewer bachelor's, master's, and doctor's degrees were conferred in mathematics in 1994 than in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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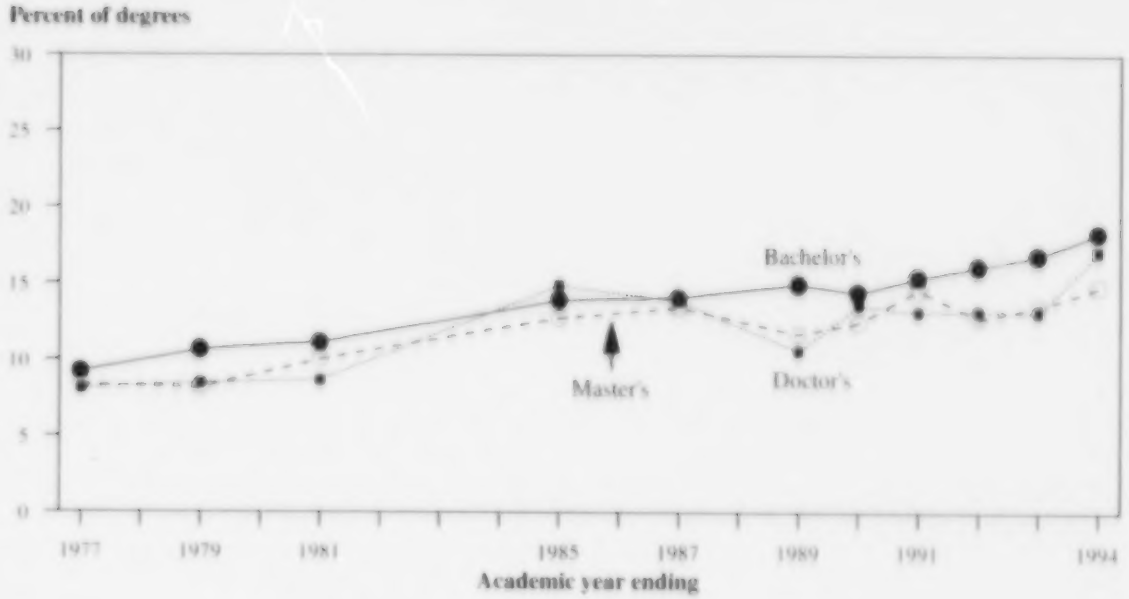
Figure 9.2: Percent of degrees in mathematics conferred to minorities, by degree level: 1977 to 1994

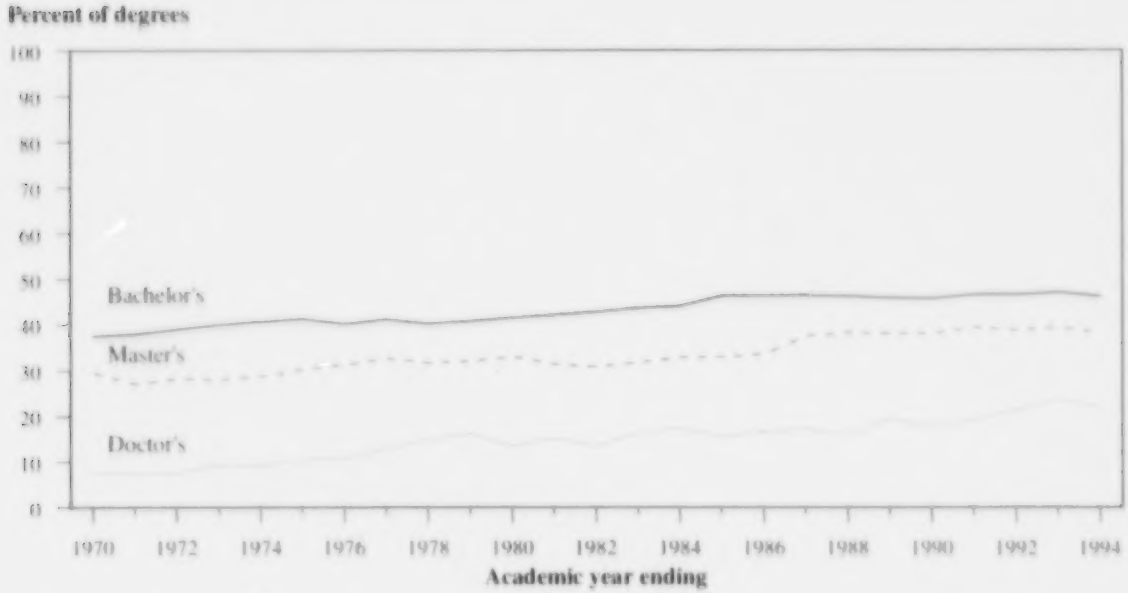


The proportion of mathematics degrees conferred to minority students increased between 1977 and 1994. The proportion of bachelor's degrees awarded to minorities rose from 9 percent in 1977 to 18 percent in 1994, while the minority proportion of master's degrees rose from 9 percent to 15 percent. The increase in the proportion of doctor's degrees in mathematics conferred to minorities rose at a comparable rate, from 8 percent in 1977 to 17 percent in 1994.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

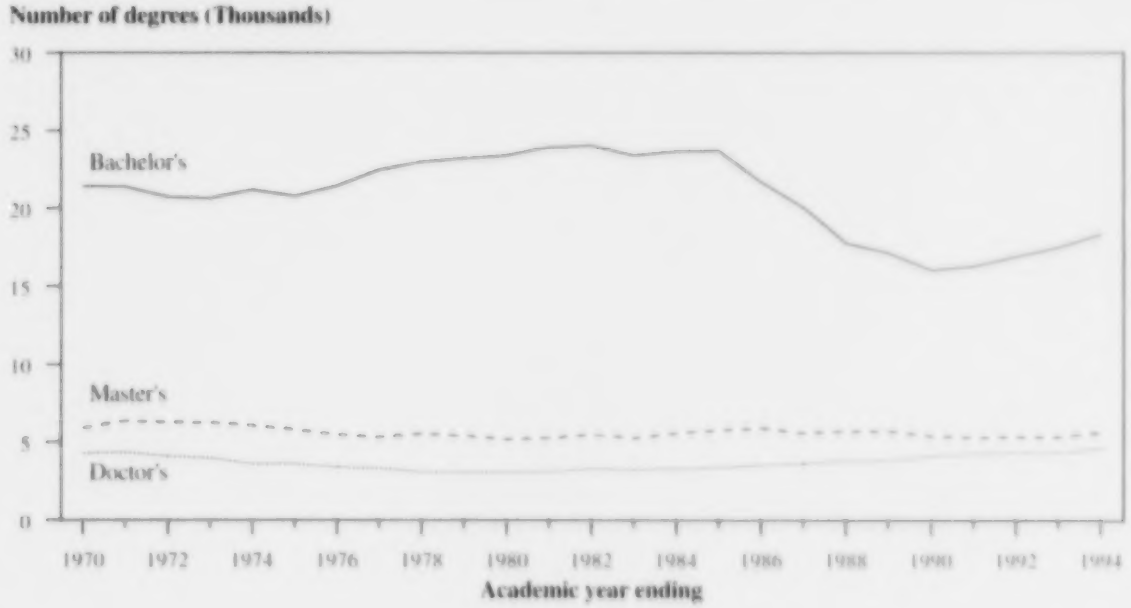
Figure 9.3: Percent of degrees in mathematics conferred to women, by degree level: 1970 to 1994



An increasing share of mathematics degrees were awarded to women between 1970 and 1994. In 1970, women earned 37 percent of bachelor's degrees in mathematics compared to 46 percent in 1994. Similarly, women earned 30 percent of all master's degrees in mathematics in 1970 and 38 percent in 1994. The proportion of doctor's degrees earned by women increased from 8 percent in 1970 to 22 percent in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 10.1: Number of degrees conferred in physical sciences and science technologies, by degree level: 1970 to 1994



The number of bachelor's degrees earned in physical sciences and science technologies declined after a peak of over 24,000 in 1982. By 1994, almost 6,000 fewer bachelor's degrees were conferred in the physical sciences than in 1982. In contrast, the trend with master's and doctor's degrees was a gradual slight decline, followed by a gradual slight increase. For example, students were awarded approximately 5,900 master's degrees in physical sciences in 1970 and approximately 5,700 in 1994. Students were also awarded about 4,300 doctor's degrees in 1970 and 4,700 doctor's degrees in physical sciences in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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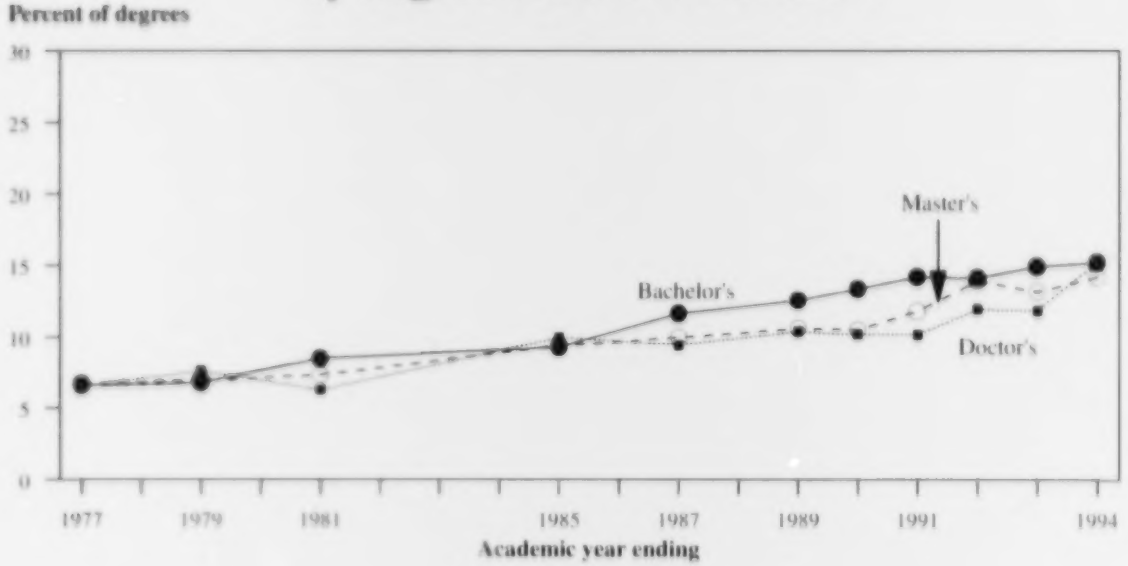
Figure 10.2: Percent of degrees in physical sciences and science technologies conferred to minorities, by degree level: 1977 to 1994

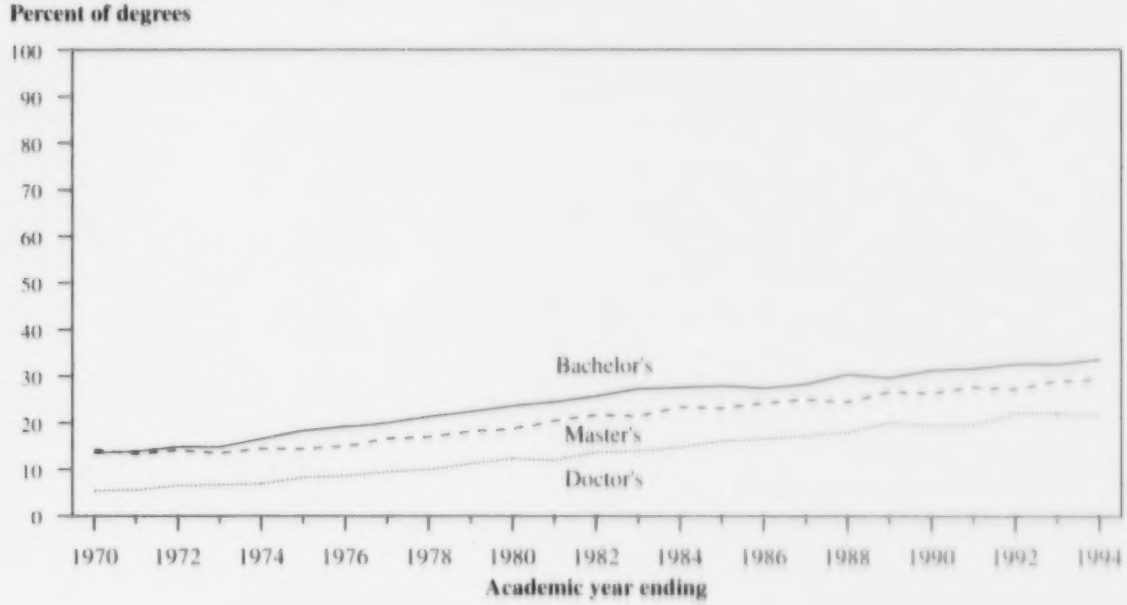


The proportion of bachelor's, master's, and doctor's degrees awarded to minority graduates in physical sciences and science technologies doubled between 1977 and 1994. For example, minority graduates received 7 percent of the doctor's degrees in the physical sciences in 1970 compared to 15 percent in 1994.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

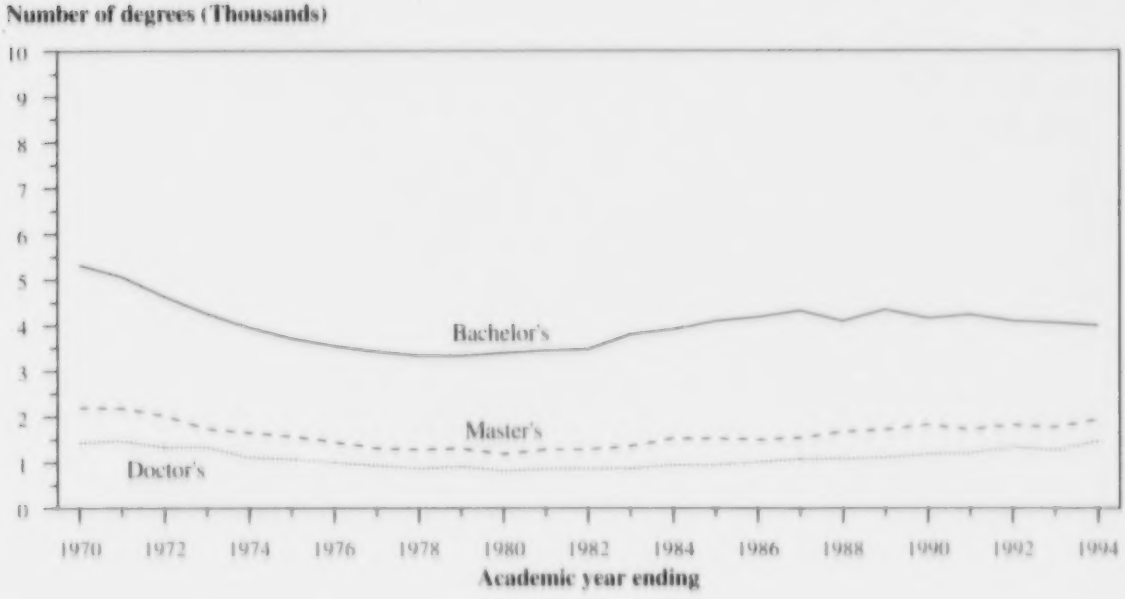
Figure 10.3: Percent of degrees in physical sciences and science technologies conferred to women, by degree level: 1970 to 1994



Women have been awarded a growing proportion of the bachelor's, master's, and doctor's degrees in physical sciences and science technologies. The proportion of bachelor's degrees awarded to women rose from 14 percent in 1970 to 34 percent in 1994. Similarly, the proportion of master's degrees in physical sciences awarded to women rose from 14 percent in 1970 to 29 percent in 1994. The share of doctor's degrees conferred to women rose from 6 percent in 1970 to 22 percent in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

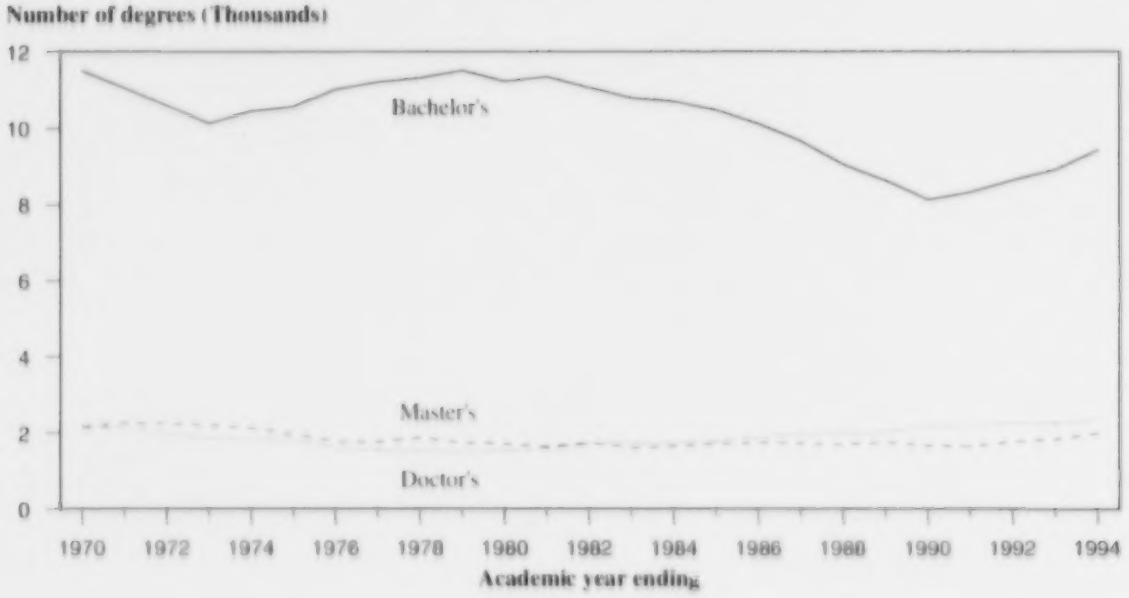
Figure 10.4: Number of degrees conferred in physics, by degree level: 1970 to 1994



The number of degrees conferred in physics declined in the 1970s within all degree levels, rising slowly again through the 1980s and early 1990s at the master's and doctor's degree levels. Still, fewer bachelor's and master's degrees were conferred in physics in 1994 than in 1970. For example, while students were awarded over 5,300 bachelor's degrees and 2,200 master's degrees in physics in 1970, in 1994 approximately 4,000 bachelor's and 1,900 master's degrees were conferred in this field. The number of doctor's degrees in physics fluctuated throughout the period, returning close to the number earned in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

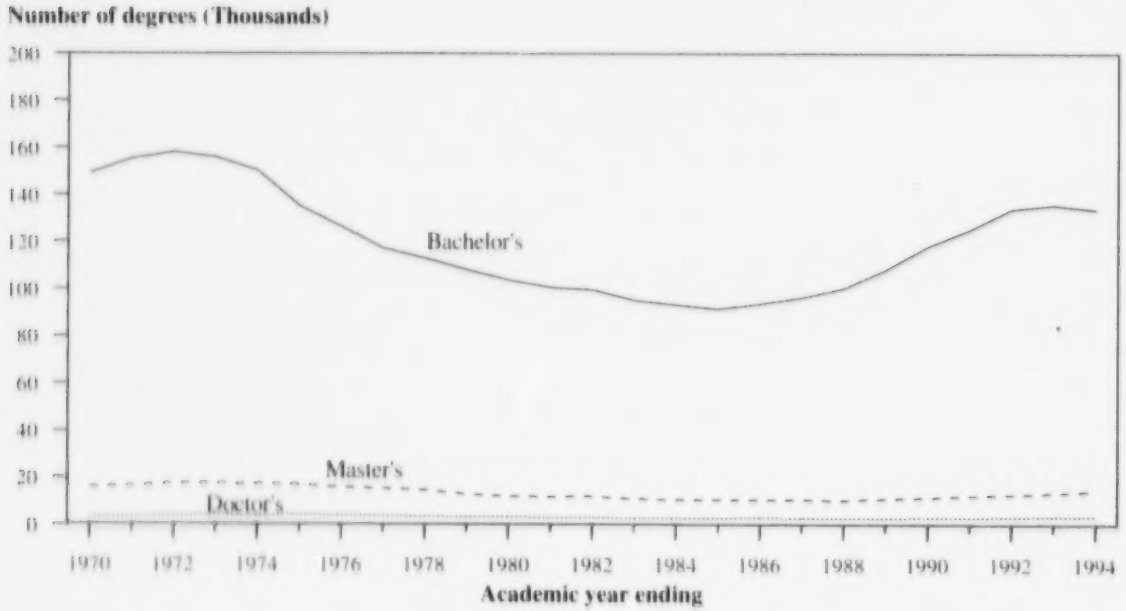
Figure 10.5: Number of degrees conferred in chemistry, by degree level: 1970 to 1994



Although the number of bachelor's degrees conferred in chemistry increased from 1973 to 1979 and again from 1990 to 1994, the overall trend between 1970 and 1994 has been a net decrease in the number degrees. Over 11,500 bachelor's degrees were conferred in 1970, about 2,000 more than in 1994. The number of master's degrees conferred in chemistry remained fairly stable between 1970 and 1994. The number of doctor's degrees in chemistry decreased from about 2,200 in 1970 to just over 1,500 in 1979, but increases since then resulted in more doctor's degrees in 1994 than in 1970.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 11.1: Number of degrees conferred in social sciences and history, by degree level: 1970 to 1994



After peaking in 1972 and 1973, the number of bachelor's, master's, and doctor's degrees conferred in social sciences declined. Although the number of bachelor's and master's degrees increased again in the late 1980s and early 1990s, they did not reach 1970 levels. For example, the number of bachelor's degrees awarded in social sciences declined by 39 percent between 1970 and 1985. By 1994, some of this decrease had been regained and about 134,000 bachelor's degrees were conferred in social sciences, compared to the peak of 158,000 in 1972.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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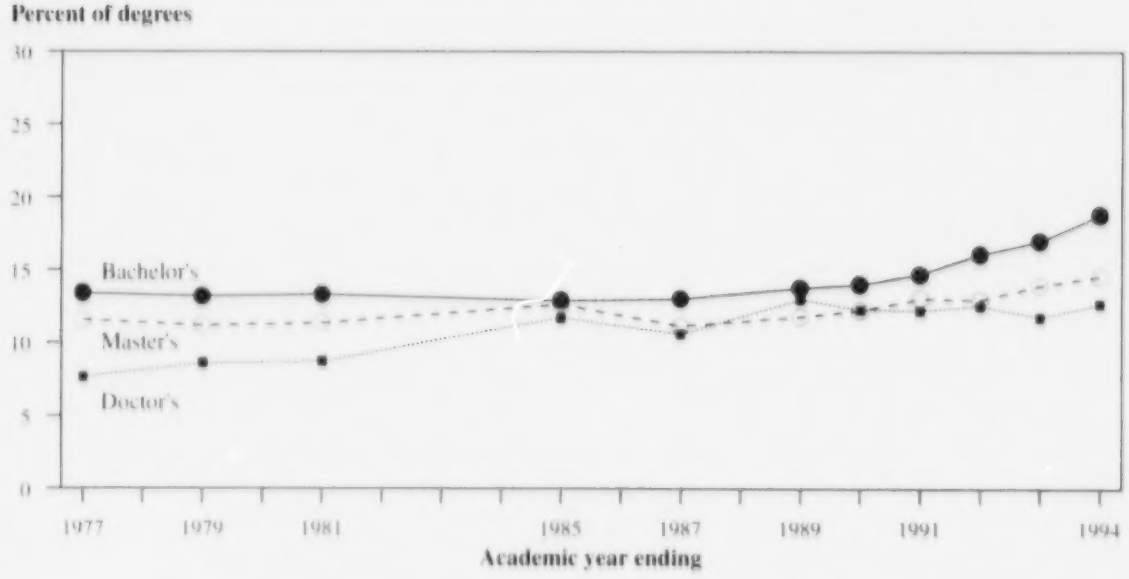
Figure 11.2: Percent of degrees in social sciences and history conferred to minorities, by degree level: 1977 to 1994

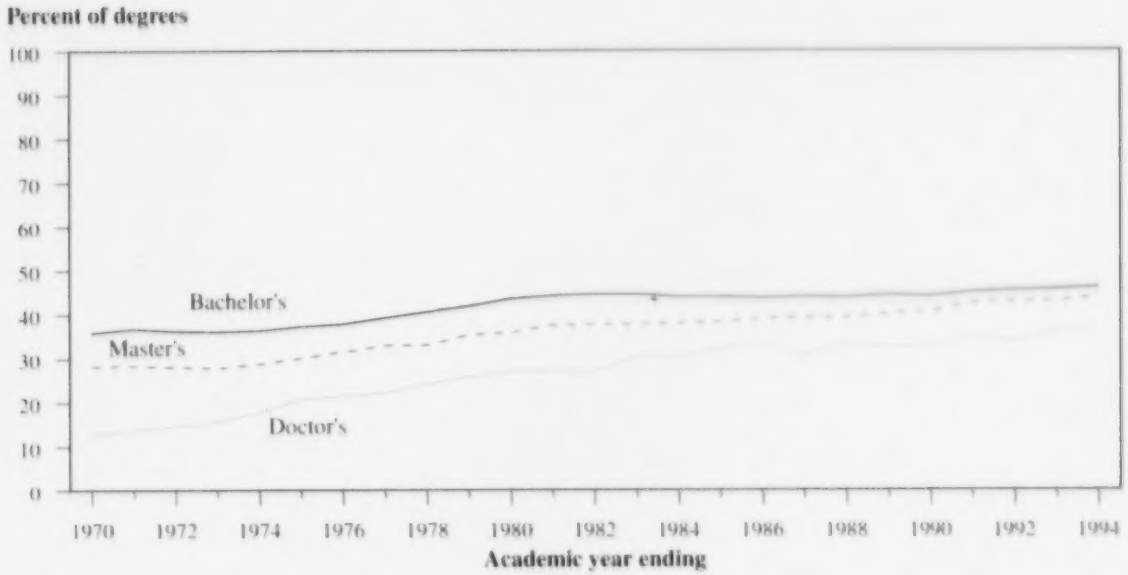


Overall, the proportion of bachelor's, master's and doctor's degrees in social sciences conferred to minority graduates increased from 1977 to 1994. Among bachelor's degree recipients, this increase was most pronounced between 1990 and 1994, when the proportion of degrees in social sciences conferred to minority students increased from 14 percent to 19 percent. From 1977 to 1994, the percent of master's degrees conferred to minorities increased from 12 to 15 percent, and the percent of doctor's degrees rose from 8 to 13 percent.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 11.3: Percent of degrees in social sciences and history conferred to women, by degree level: 1970 to 1994



The proportion of social sciences degrees conferred to women increased from 1970 to 1994, particularly at the doctor's degree level. Women received 13 percent of all doctor's degrees in social sciences in 1970, compared to 36 percent in 1994. Increases in the percent of bachelor's and master's degrees conferred to women, while not as large as among doctor's degrees, were also considerable. The proportion of social sciences bachelor's degrees awarded to women rose from 36 percent in 1970 to 46 percent in 1994, while the proportion of master's degrees rose from 28 percent to 44 percent.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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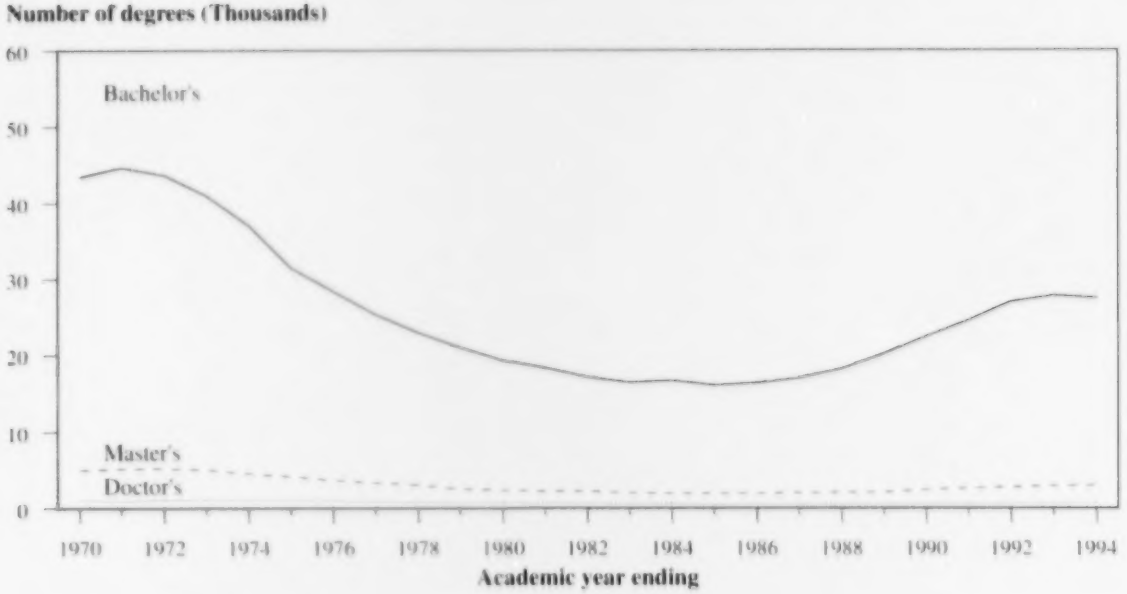
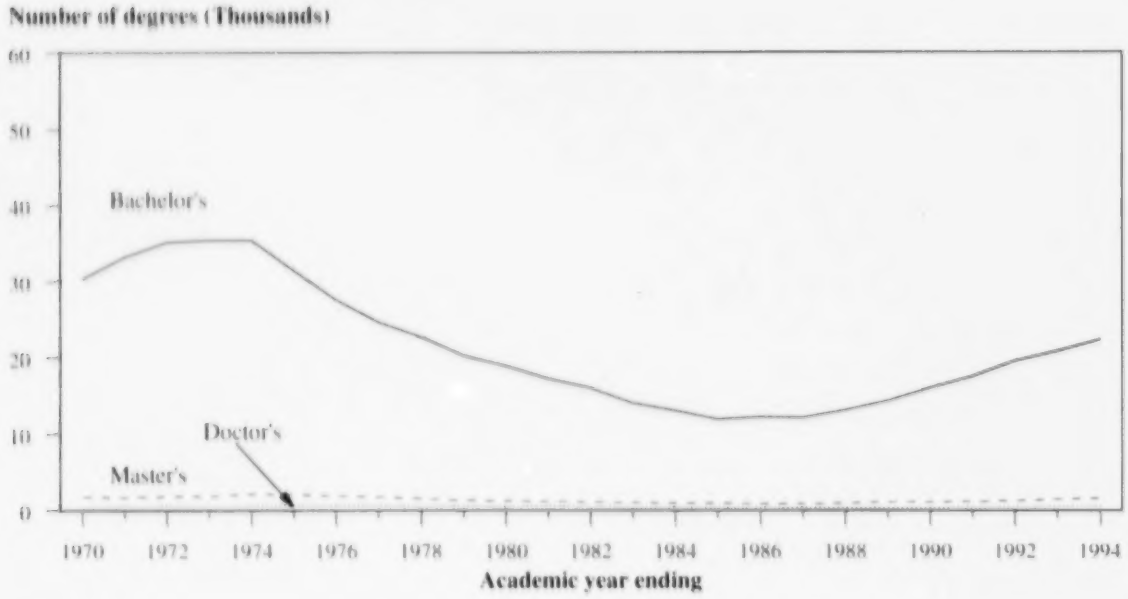
Figure 11.4: Number of degrees conferred in history, by degree level: 1970 to 1994



The number of degrees conferred in history declined in the 1970s and early 1980s at all degree levels, but rose somewhat in the late 1980s and early 1990s. Still, students earned fewer degrees in history in 1994 than in 1970. For example, students earned over 43,000 bachelor's degrees in 1970 compared to under 28,000 in 1994. The number of master's degrees numbered, 5,000 in 1970 compared to 3,000 in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 11.5: Number of degrees conferred in sociology, by degree level: 1970 to 1994



After a peak in 1974 of almost 35,500, the number of bachelor's degrees conferred in sociology sharply decreased to 12,000 in 1985. Although bachelor's degrees increased to 22,000 in 1994, the number remained well below the levels of the early 1970s. The numbers of master's and doctor's degrees conferred in sociology, while fluctuating some over the years, have remained fairly stable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

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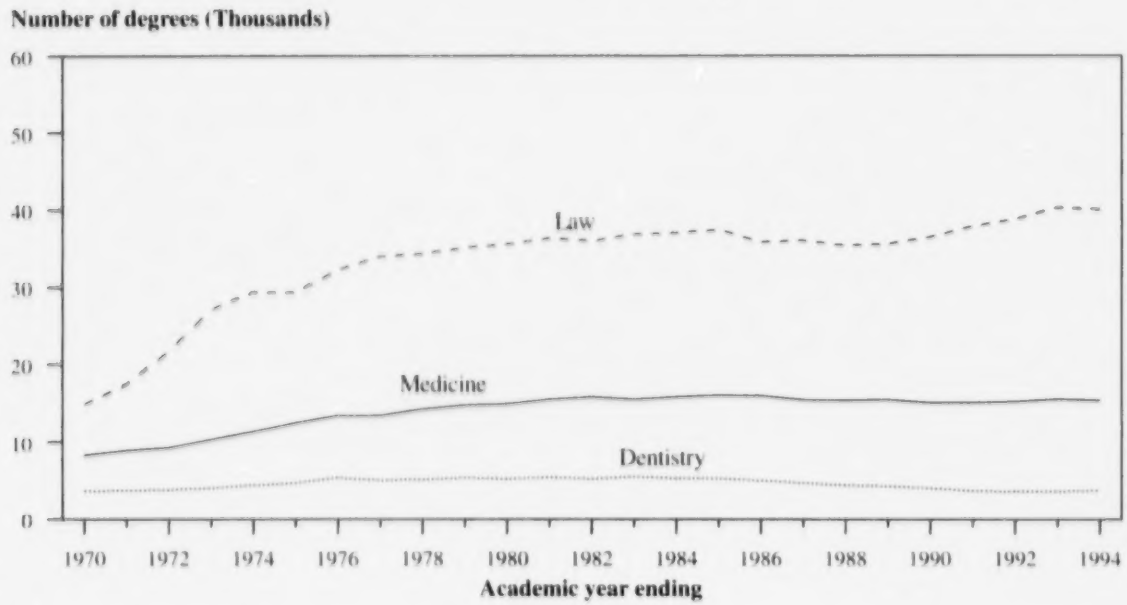
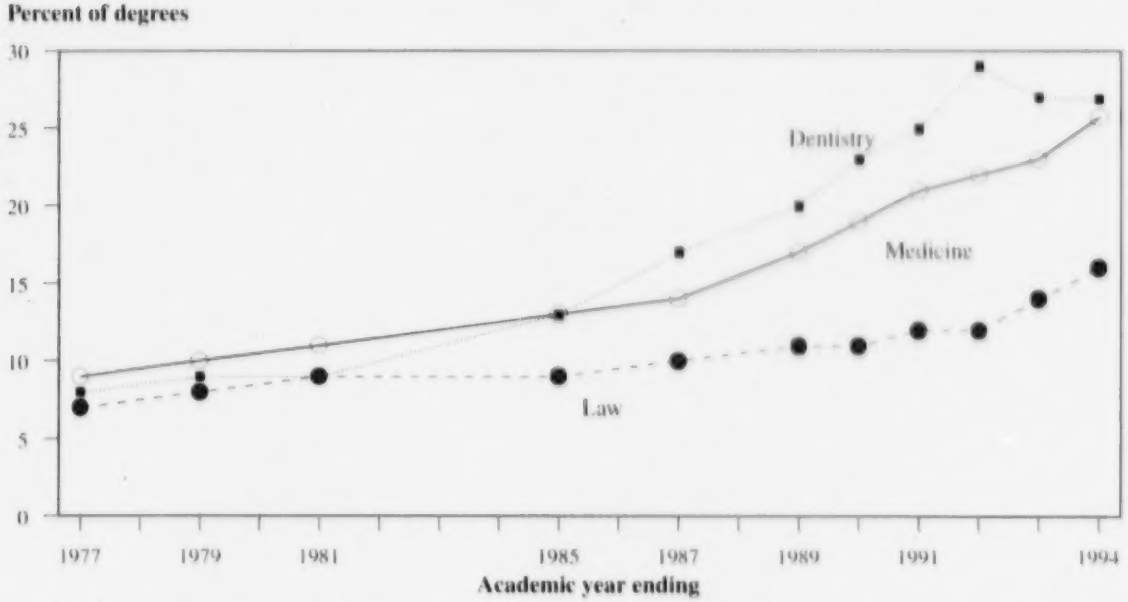
Figure 12.1: Number of first-professional degrees conferred, by field of study: 1970 to 1994



While the number of degrees conferred in medicine and law increased from 1970 to 1994, the number of degrees in dentistry was about the same in 1994 as in 1970. For example, the number of degrees in medicine rose from 8,300 in 1970 to 15,400 in 1994, while the number of degrees in law rose from 15,000 to 40,000. However, the number of degrees in dentistry increased from 3,700 in 1970 to a peak of 5,600 in 1983, and then fell to about 3,800 in 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 12.2: Percent of first-professional degrees conferred to minorities, by field of study: 1977 to 1994

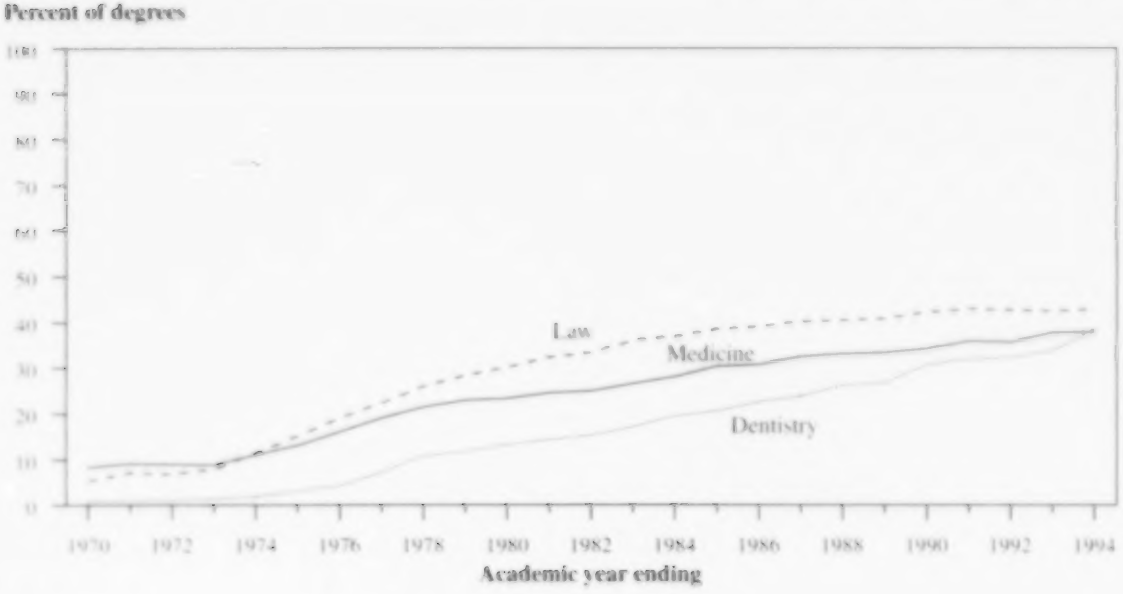


The proportion of first-professional degrees awarded to minority students in dentistry, medicine, and law increased between 1977 and 1994. The largest increase was within the field of dentistry, where 8 percent of degrees were awarded to minority students in 1977 and 27 percent in 1994. The proportion of medicine degrees conferred to minorities also increased, from 9 percent in 1977 to 26 percent in 1994. While the increase in the proportion of law degrees awarded to resident minority students was not as great as in the other two fields, minority students still doubled their share between 1977 to 1994, from 8 percent to 16 percent.

NOTE: Symbols indicate years for which data have been plotted. Includes resident students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

Figure 12.3: Percent of first-professional degrees conferred to women, by field of study: 1970 to 1994



The proportion of law, medicine, and dentistry degrees conferred to women increased between 1970 and 1994. This increase was most pronounced among recipients of dentistry degrees, where the proportion of women rose from 1 percent 1970 to 39 percent in 1994. Medicine and law also were growth fields for women. The proportion of law degrees awarded to women rose from 5 percent in 1970 to 43 percent in 1994, and the proportion of medical degrees rose from 8 percent to 38 percent.

SOURCE: U. S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS) "Degrees and Other Formal Awards Conferred" Survey and Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey, various years.

TABLES

Table 1.—U.S. resident population ages 18 to 29, by sex and minority status: 1980 to 1994

(In thousands)

July	Total	Male	Female	Percent minority
1	2	3	4	5
1980	49,735	24,891	24,844	22.1
1981	50,412	25,241	25,171	22.8
1982	50,865	25,495	25,370	23.4
1983	51,061	25,631	25,430	24.1
1984	50,918	25,592	25,326	24.7
1985	50,572	25,444	25,128	25.3
1986	50,120	25,255	24,865	26.0
1987	49,549	24,993	24,556	26.6
1988	49,098	24,794	24,304	27.3
1989	48,713	24,636	24,077	27.7
1990	48,059	24,333	23,726	28.6
1991	47,071	23,818	23,253	29.3
1992	46,117	23,353	22,764	29.9
1993	45,286	22,916	22,370	30.5
1994	44,440	22,475	21,965	31.0

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Current Population Reports*, PPL-21, P25-1095, and P25-917. (This table was prepared February 1997.)

Table 2.—Associate, bachelor's, master's, and doctor's degrees conferred to resident students, and percent conferred by minority status: Selected years, 1976–77 to 1993–94

Year	Associate degrees			Bachelor's degrees			Master's degrees			Doctor's degrees		
	Number	Percent		Number	Percent		Number	Percent		Number	Percent	
		White	Minority		White	Minority		White	Minority		White	Minority
1	2	3	4	5	6	7	8	9	10	11	12	13
1976–77	401,627	85.2	14.8	902,186	89.5	10.5	299,258	88.8	11.1	29,379	91.4	8.6
1978–79	392,194	84.4	15.6	901,701	89.0	11.0	280,828	88.8	11.2	28,760	90.9	9.1
1980–81	403,531	84.0	16.0	912,211	88.5	11.5	272,126	88.6	11.4	28,636	90.5	9.5
1984–85	423,408	83.9	16.1	939,094	88.0	12.0	253,469	88.2	11.8	26,990	88.7	11.3
1986–87	431,616	83.8	16.2	961,958	87.5	12.5	259,453	88.2	11.8	27,445	89.0	11.0
1988–89	425,763	83.3	16.7	989,324	86.9	13.1	275,557	88.1	11.9	27,987	88.9	11.1
1989–90	444,114	83.2	16.8	1,021,923	86.5	13.5	286,764	87.8	12.2	29,155	88.8	11.2
1990–91	455,386	82.6	17.4	1,052,146	85.9	14.1	292,122	87.4	12.6	28,832	87.8	12.2
1991–92	486,450	82.3	17.7	1,101,754	85.0	15.0	309,776	86.6	13.4	29,524	87.4	12.6
1992–93	499,225	81.3	18.7	1,127,691	84.0	16.0	324,547	85.9	14.1	30,567	87.3	12.7
1993–94	530,796	80.7	19.3	1,131,893	82.7	17.3	339,102	85.0	15.0	31,611	85.9	14.1

NOTE.—This table includes degrees earned by resident students only. Degrees earned by non-resident aliens and those whose race/ethnicity was not available have been omitted.

SOURCE.—U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred" survey and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1997.)

Table 3.—Associate, bachelor's, master's, first-professional, and doctor's degrees conferred, and percent conferred by sex: 1969–70 to 1993–94

Year	Associate degrees			Bachelor's degrees			Master's degrees			First-professional degrees			Doctor's degrees		
	Number	Percent		Number	Percent		Number	Percent		Number	Percent		Number	Percent	
		Male	Female		Male	Female		Male	Female		Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1969–70	206,023	57.0	43.0	792,316	56.9	43.1	208,291	60.3	39.7	34,918	94.7	5.3	29,866	86.7	13.3
1970–71	252,311	57.1	42.9	839,730	56.6	43.4	230,509	59.9	40.1	37,946	93.7	6.3	32,107	85.7	14.3
1971–72	292,014	56.9	43.1	887,273	56.4	43.6	251,633	59.4	40.6	43,411	93.8	6.2	33,363	84.2	15.8
1972–73	316,174	55.5	44.5	922,362	56.2	43.8	263,371	58.7	41.3	50,018	92.9	7.1	34,777	82.2	17.8
1973–74	343,924	54.8	45.2	945,776	55.8	44.2	277,033	57.0	43.0	53,816	90.2	9.8	33,816	80.9	19.1
1974–75	360,171	53.0	47.0	922,933	54.7	45.3	292,450	55.2	44.8	55,916	87.6	12.4	34,083	78.7	21.3
1975–76	391,454	53.6	46.4	925,748	54.5	45.5	311,771	53.6	46.4	62,649	84.4	15.6	34,984	77.1	22.9
1976–77	406,377	51.9	48.1	919,549	53.9	46.1	317,164	52.9	47.1	64,359	81.4	18.6	33,232	75.7	24.3
1977–78	412,246	49.7	50.3	921,204	52.9	47.1	311,620	51.7	48.3	66,581	78.5	21.5	32,131	73.6	26.4
1978–79	402,702	47.7	52.3	921,390	51.8	48.2	301,079	50.9	49.1	68,848	76.5	23.5	32,730	71.9	28.1
1979–80	400,910	45.8	54.2	929,417	51.0	49.0	298,081	50.6	49.4	70,131	75.2	24.8	32,615	70.3	29.7
1980–81	416,377	45.3	54.7	935,140	50.2	49.8	295,739	49.7	50.3	71,956	73.4	26.6	32,958	68.9	31.1
1981–82	434,526	45.3	54.7	952,998	49.7	50.3	295,546	49.2	50.8	72,032	72.5	27.5	32,707	67.9	32.1
1982–83	449,620	45.4	54.6	969,510	49.4	50.6	289,921	49.9	50.1	73,054	70.2	29.8	32,775	66.8	33.2
1983–84	452,240	44.8	55.2	974,309	49.5	50.5	284,263	50.5	49.5	74,468	69.0	31.0	33,209	66.4	33.6
1984–85	454,712	44.6	55.4	979,477	49.3	50.7	286,251	50.1	49.9	75,063	67.2	32.8	32,943	65.9	34.1
1985–86	446,047	44.0	56.0	987,823	49.2	50.8	288,567	49.7	50.3	73,910	66.6	33.4	33,653	64.8	35.2
1986–87	436,304	43.7	56.3	991,264	48.5	51.5	289,349	48.8	51.2	71,617	65.0	35.0	34,041	64.8	35.2
1987–88	435,085	43.7	56.3	994,829	48.0	52.0	299,317	48.5	51.5	70,735	64.3	35.7	34,870	64.9	35.1
1988–89	436,764	42.7	57.3	1,018,755	47.4	52.6	310,621	48.1	51.9	70,856	63.6	36.4	35,720	63.4	36.6
1989–90	455,102	42.0	58.0	1,051,344	46.8	53.2	324,301	47.4	52.6	70,988	61.9	38.1	38,371	63.6	36.4
1990–91	481,720	41.2	58.8	1,094,538	46.1	53.9	337,168	46.4	53.6	71,948	60.9	39.1	39,294	63.0	37.0
1991–92	504,231	41.1	58.9	1,136,553	45.8	54.2	352,836	45.9	54.1	74,146	60.8	39.2	40,659	62.9	37.1
1992–93	514,756	41.2	58.8	1,165,178	45.7	54.3	369,585	45.8	54.2	75,387	59.9	40.1	42,132	61.9	38.1
1993–94	542,449	40.7	59.3	1,169,275	45.5	54.5	387,070	45.5	54.5	75,416	59.3	40.7	43,165	61.5	38.5

NOTE.—Degrees earned by non-resident aliens have been included in this table. Details may not sum to 100.0 because of rounding.

SOURCE.—U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred" survey and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1997.)

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Table 4.—Bachelor's, master's, doctor's, and first-professional degrees conferred, by selected fields of study: 1969–70 to 1993–94

Field of study and degree level	1969–70	1970–71	1971–72	1972–73	1973–74	1974–75	1975–76	1976–77	1977–78	1978–79	1979–80	1980–81	1981–82
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Agriculture and natural resources													
Bachelor's degrees	12,382	12,672	13,516	14,756	16,253	17,528	19,402	21,467	22,650	23,134	22,802	21,886	21,029
Master's degrees	2,197	2,457	2,680	2,807	2,928	3,067	3,340	3,724	4,023	3,994	3,976	4,003	4,163
Doctor's degrees	1,004	1,086	971	1,059	930	991	926	893	971	950	991	1,067	1,079
Biological sciences/life sciences													
Bachelor's degrees	34,034	35,743	37,293	42,233	48,340	51,741	54,275	53,605	51,502	48,846	46,370	43,216	41,639
Master's degrees	5,800	5,728	6,101	6,263	6,552	6,550	6,582	7,114	6,806	6,831	6,510	5,978	5,874
Doctor's degrees	3,289	3,645	3,653	3,636	3,439	3,384	3,392	3,397	3,309	3,342	3,636	3,718	3,743
Biology													
Bachelor's degrees	24,371	26,294	27,473	31,185	36,188	38,748	40,163	39,530	37,598	35,962	33,523	31,323	29,651
Master's degrees	2,578	2,665	2,943	2,959	3,186	3,109	3,177	3,322	3,094	3,093	2,911	2,598	2,579
Doctor's degrees	471	536	580	627	657	637	624	608	664	663	718	734	678
Zoology													
Bachelor's degrees	5,860	5,722	5,522	5,770	6,192	6,116	6,105	5,608	5,139	4,913	4,374	3,946	3,664
Master's degrees	1,298	1,167	1,189	1,191	1,250	1,216	1,153	1,168	1,160	1,109	1,078	1,090	1,028
Doctor's degrees	1,020	1,107	1,094	1,008	919	920	909	950	885	938	955	946	936
Business													
Bachelor's degrees	105,580	114,729	121,268	126,144	131,640	132,731	142,034	150,765	159,691	171,241	184,867	198,983	213,374
Master's degrees	21,561	25,977	30,028	30,638	32,172	35,758	42,054	46,006	47,837	49,855	54,484	57,391	60,763
Doctor's degrees	620	757	859	902	919	936	900	827	823	821	753	795	815
Accounting													
Bachelor's degrees	21,183	22,099	24,801	27,947	29,341	31,116	35,806	39,183	40,145	41,393	42,712	43,344	45,542
Master's degrees	1,083	1,097	1,377	1,621	1,798	2,227	2,730	3,278	3,354	3,571	3,456	3,449	3,246
Doctor's degrees	58	61	51	83	70	60	55	53	44	52	51	56	61
Business administration and management													
Bachelor's degrees	51,644	58,215	62,989	62,794	69,261	70,068	74,278	77,525	82,817	89,238	96,050	105,315	111,822
Master's degrees	13,762	18,264	21,726	21,541	23,713	26,354	31,771	33,783	35,216	36,502	40,836	42,686	46,069
Doctor's degrees	356	496	530	513	621	672	621	571	619	579	523	553	579
Computer and information sciences													
Bachelor's degrees	1,544	2,388	3,402	4,304	4,756	5,033	5,652	6,407	7,201	8,719	11,154	15,121	20,267
Master's degrees	1,459	1,588	1,977	2,113	2,276	2,299	2,603	2,798	3,038	3,055	3,647	4,218	4,935
Doctor's degrees	107	128	167	196	198	213	244	216	196	236	240	252	251
Education													
Bachelor's degrees	163,964	176,307	190,880	193,984	184,907	166,758	154,437	143,234	135,821	125,873	118,038	108,074	100,932
Master's degrees	78,020	87,666	96,668	103,777	110,402	117,841	126,061	124,267	116,916	109,866	101,819	96,713	91,601
Doctor's degrees	5,568	6,041	6,648	6,857	6,757	6,975	7,202	7,338	7,018	7,170	7,314	7,279	6,999
Elementary education													
Bachelor's degrees	84,320	90,432	93,181	89,322	80,220	68,653	60,264	53,036	49,255	44,792	42,042	38,524	37,261
Master's degrees	15,449	17,070	19,570	21,125	22,022	22,060	22,748	21,795	19,897	17,452	15,891	13,833	12,788
Doctor's degrees	217	219	314	257	230	191	196	199	223	198	214	224	201
Teacher education, academic and vocational programs													
Bachelor's degrees	60,563	66,066	66,857	70,140	68,544	62,818	59,307	56,797	54,909	50,897	47,191	43,022	38,994
Master's degrees	15,726	17,604	18,141	19,338	20,461	21,536	23,206	22,742	22,036	20,168	19,330	18,485	16,944
Doctor's degrees	846	966	1,059	1,015	1,067	990	1,044	1,058	939	1,006	1,088	1,034	1,001
Engineering													
Bachelor's degrees	48,479	50,046	51,164	51,265	50,286	46,852	46,331	49,283	55,654	62,375	68,893	75,000	80,005
Master's degrees	15,593	16,443	16,960	16,619	15,379	15,348	16,342	16,245	16,398	15,495	16,243	16,709	17,939
Doctor's degrees	3,661	3,638	3,671	3,492	3,312	3,108	2,821	2,586	2,440	2,506	2,507	2,561	2,636
Electrical, electronics, and communications engineering													
Bachelor's degrees	12,225	12,198	12,101	12,313	11,316	10,161	9,791	9,936	11,133	12,338	13,821	14,938	16,455
Master's degrees	4,138	4,282	4,206	3,895	3,499	3,469	3,774	3,788	3,740	3,591	3,836	3,901	4,462
Doctor's degrees	882	879	624	791	705	701	649	566	503	586	525	535	526
Mechanical engineering													
Bachelor's degrees	9,247	8,858	8,530	8,523	7,677	6,890	6,800	7,703	8,875	10,107	11,808	13,329	13,922
Master's degrees	2,297	2,237	2,282	2,141	1,843	1,858	1,907	1,952	1,942	1,877	2,060	2,291	2,399
Doctor's degrees	435	438	411	370	385	340	305	283	279	271	281	276	333
Health professions and related sciences													
Bachelor's degrees	25,029	25,226	28,611	33,564	41,459	49,090	53,958	57,328	59,434	62,085	63,920	63,649	63,653
Master's degrees	4,488	5,749	7,207	8,362	9,599	10,692	12,556	12,951	14,325	15,485	15,704	16,515	16,503
Doctor's degrees	357	466	442	648	578	618	577	538	654	718	786	842	925
Health and medical laboratory technologies													
Bachelor's degrees	3,161	3,145	3,416	3,828	4,956	5,228	5,652	5,598	5,624	5,625	5,558	5,376	5,049
Master's degrees	24	77	93	117	179	190	267	372	305	328	278	268	241
Doctor's degrees	0	14	4	3	6	2	4	3	6	6	7	4	8
Nursing													
Bachelor's degrees	11,216	12,199	13,152	15,407	19,285	23,713	26,726	28,402	30,003	31,448	32,441	32,794	33,177
Master's degrees	1,539	1,530	1,829	2,079	2,274	2,204	3,035	3,257	3,779	4,231	4,616	5,096	5,312
Doctor's degrees	11	7	10	17	14	16	16	24	56	68	118	113	134

Table 4.—Bachelor's, master's, doctor's, and first-professional degrees conferred, by selected fields of study: 1969–70 to 1993–94—Continued

Field of study and degree level	1969–70	1970–71	1971–72	1972–73	1973–74	1974–75	1975–76	1976–77	1977–78	1978–79	1979–80	1980–81	1981–82
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Mathematics													
Bachelor's degrees	27,442	24,937	23,807	23,186	21,761	18,460	16,329	14,395	13,065	12,329	11,872	11,433	12,226
Master's degrees	5,636	5,695	5,537	5,397	5,306	4,816	4,315	4,109	3,862	3,553	3,382	3,074	3,263
Doctor's degrees	1,236	1,249	1,165	1,089	1,093	1,048	909	859	848	769	763	775	721
Physical sciences and science technologies													
Bachelor's degrees	21,439	21,412	20,745	20,696	21,178	20,778	21,465	22,497	22,986	23,207	23,410	23,952	24,052
Master's degrees	5,935	6,367	6,287	6,257	6,062	5,807	5,466	5,331	5,561	5,451	5,219	5,284	5,514
Doctor's degrees	4,312	4,390	4,103	4,006	3,626	3,626	3,431	3,341	3,133	3,102	3,089	3,141	3,286
Physics													
Bachelor's degrees	5,320	5,071	4,634	4,259	3,952	3,706	3,544	3,420	3,330	3,337	3,396	3,441	3,472
Master's degrees	2,200	2,188	2,033	1,747	1,655	1,574	1,451	1,319	1,294	1,319	1,192	1,294	1,284
Doctor's degrees	1,439	1,482	1,344	1,338	1,115	1,080	997	945	873	918	830	866	873
Chemistry													
Bachelor's degrees	11,519	11,063	10,590	10,128	10,438	10,549	11,022	11,215	11,315	11,509	11,232	11,347	11,062
Master's degrees	2,138	2,275	2,248	2,225	2,125	1,986	1,783	1,767	1,886	1,757	1,723	1,654	1,751
Doctor's degrees	2,207	2,159	1,971	1,872	1,823	1,822	1,621	1,568	1,521	1,516	1,545	1,622	1,722
Social sciences and history													
Bachelor's degrees	149,270	155,324	158,060	155,970	150,320	135,190	126,396	117,040	112,952	108,059	103,662	100,513	99,705
Master's degrees	15,877	16,539	17,445	17,477	17,293	16,977	15,953	15,533	14,718	12,963	12,176	11,945	12,002
Doctor's degrees	3,457	3,660	4,081	4,234	4,124	4,212	4,157	3,802	3,594	3,371	3,230	3,122	3,061
History													
Bachelor's degrees	43,386	44,663	43,695	40,943	37,049	31,470	28,400	25,433	23,004	21,019	19,301	18,301	17,146
Master's degrees	5,049	5,157	5,217	5,030	4,533	4,226	3,658	3,393	3,033	2,536	2,367	2,237	2,210
Doctor's degrees	1,038	991	1,133	1,140	1,114	1,117	1,014	921	813	756	712	643	636
Sociology													
Bachelor's degrees	30,436	33,263	35,216	35,436	35,491	31,488	27,634	24,713	22,750	20,285	18,881	17,272	16,042
Master's degrees	1,813	1,808	1,944	1,923	2,196	2,112	2,009	1,830	1,611	1,415	1,341	1,240	1,145
Doctor's degrees	534	574	636	583	632	693	729	714	599	612	583	610	558
First-professional degrees													
Dentistry	3,718	3,745	3,862	4,047	4,440	4,773	5,425	5,138	5,189	5,434	5,258	5,460	5,282
Medicine	8,314	8,919	9,253	10,307	11,356	12,447	13,426	13,461	14,279	14,786	14,902	15,505	15,814
Law	14,916	17,421	21,764	27,205	29,326	29,296	32,293	34,104	34,402	35,206	35,647	36,331	35,991

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Table 4.—Bachelor's, master's, doctor's, and first-professional degrees conferred, by selected fields of study: 1969–70 to 1993–94—Continued

Field of study and degree level	1982–83	1983–84	1984–85	1985–86	1986–87	1987–88	1988–89	1989–90	1990–91	1991–92	1992–93	1993–94
1	15	16	17	18	19	20	21	22	23	24	25	26
Agriculture and natural resources												
Bachelor's degrees	20,909	19,317	18,107	16,823	14,991	14,222	13,492	12,900	13,124	15,124	16,778	18,070
Master's degrees	4,254	4,178	3,928	3,801	3,522	3,479	3,245	3,382	3,295	3,735	3,965	4,119
Doctor's degrees	1,149	1,172	1,213	1,158	1,049	1,142	1,183	1,295	1,185	1,214	1,173	1,278
Biological sciences/life sciences												
Bachelor's degrees	39,982	38,640	38,445	38,524	38,121	36,755	36,059	37,204	39,530	42,941	47,038	51,383
Master's degrees	5,696	5,406	5,059	5,013	4,952	4,784	4,961	4,869	4,765	4,785	4,756	5,196
Doctor's degrees	3,341	3,437	3,432	3,358	3,419	3,629	3,520	3,844	4,093	4,243	4,435	4,534
Biology												
Bachelor's degrees	28,022	27,379	27,593	27,618	27,465	26,838	26,229	27,213	29,285	31,909	34,932	38,103
Master's degrees	2,354	2,313	2,130	2,173	2,022	1,981	2,097	1,998	1,956	1,995	2,000	2,178
Doctor's degrees	521	617	658	574	537	576	527	551	632	657	671	665
Zoology												
Bachelor's degrees	3,453	3,294	3,128	2,940	2,858	2,580	2,582	2,501	2,673	2,840	3,071	3,207
Master's degrees	918	867	778	723	740	725	736	638	640	620	637	749
Doctor's degrees	809	826	802	844	787	786	744	810	833	818	786	805
Business												
Bachelor's degrees	226,627	229,478	232,636	237,319	240,546	243,021	246,399	248,698	249,311	256,603	256,842	246,654
Master's degrees	64,758	66,150	66,996	66,689	67,093	69,230	73,065	76,676	78,255	84,642	89,615	93,437
Doctor's degrees	776	929	831	934	1,062	1,063	1,100	1,093	1,185	1,242	1,346	1,364
Accounting												
Bachelor's degrees	46,081	47,901	47,333	45,885	44,071	43,277	43,864	44,563	45,860	47,606	48,853	47,804
Master's degrees	3,056	3,297	3,215	3,141	2,957	3,139	3,081	3,266	3,611	3,287	3,887	4,162
Doctor's degrees	66	53	59	53	61	57	72	60	38	73	69	63
Business administration and management												
Bachelor's degrees	112,063	112,873	111,176	111,344	112,090	111,977	112,452	113,799	112,501	115,394	116,176	112,967
Master's degrees	48,180	47,235	49,123	47,520	47,888	49,334	51,503	53,531	54,494	59,176	61,212	65,024
Doctor's degrees	521	614	573	628	699	751	734	742	827	849	933	946
Computer and information sciences												
Bachelor's degrees	24,510	32,172	38,878	41,889	39,589	34,523	30,454	27,257	25,083	24,557	24,200	24,200
Master's degrees	5,321	6,190	7,101	8,070	8,481	9,197	9,414	9,677	9,324	9,530	10,163	10,416
Doctor's degrees	262	251	248	344	374	428	551	627	676	772	805	810
Education												
Bachelor's degrees	97,895	92,299	88,072	87,114	86,936	91,112	96,913	105,112	110,807	108,006	107,781	107,600
Master's degrees	83,250	75,664	74,654	74,801	74,045	76,566	81,174	84,881	87,343	92,668	96,028	98,938
Doctor's degrees	7,057	6,911	6,612	6,605	6,407	6,060	6,337	6,502	6,187	6,864	7,030	6,908
Elementary education												
Bachelor's degrees	34,876	34,334	33,162	34,725	35,762	39,547	43,423	49,104	52,884	50,619	49,485	48,733
Master's degrees	10,588	9,226	9,075	9,550	10,238	11,053	11,690	12,184	12,597	13,122	13,234	12,958
Doctor's degrees	145	127	130	110	104	97	90	86	85	88	76	91
Teacher education, academic and vocational programs												
Bachelor's degrees	37,867	35,868	34,216	32,260	32,234	32,550	33,589	35,113	35,703	34,273	34,742	34,428
Master's degrees	16,034	15,142	14,531	13,927	14,323	15,005	15,740	15,873	16,208	16,413	16,467	16,106
Doctor's degrees	1,013	1,054	968	944	899	839	908	867	828	865	821	832
Engineering												
Bachelor's degrees	89,018	94,185	95,828	95,660	92,816	88,506	85,002	81,322	78,650	77,541	78,051	78,225
Master's degrees	19,344	20,655	21,555	21,657	22,654	23,385	24,568	24,772	24,958	25,977	28,726	29,754
Doctor's degrees	2,831	2,981	3,230	3,410	3,818	4,191	4,523	4,981	5,272	5,499	5,843	5,979
Electrical, electronics, and communications engineering												
Bachelor's degrees	18,049	19,943	21,691	23,742	24,547	23,597	21,908	20,711	19,320	17,958	17,281	15,823
Master's degrees	4,531	5,078	5,153	5,534	6,183	6,688	7,028	7,225	7,095	7,360	7,870	7,791
Doctor's degrees	550	585	660	722	724	860	998	1,162	1,220	1,282	1,413	1,470
Mechanical engineering												
Bachelor's degrees	15,675	16,629	16,794	16,194	15,450	14,900	14,843	14,336	13,977	14,067	14,464	15,030
Master's degrees	2,511	2,797	3,053	3,075	3,198	3,329	3,498	3,424	3,516	3,653	3,982	4,099
Doctor's degrees	299	319	409	426	528	596	633	742	757	851	871	887
Health professions and related sciences												
Bachelor's degrees	64,685	64,288	64,422	64,396	63,103	60,644	59,005	58,300	59,071	61,720	67,089	74,421
Master's degrees	17,047	17,411	17,385	18,573	18,394	18,657	19,268	20,321	21,200	23,065	25,718	28,025
Doctor's degrees	1,155	1,164	1,199	1,241	1,213	1,261	1,437	1,536	1,613	1,661	1,767	1,902
Health and medical laboratory technologies												
Bachelor's degrees	4,356	4,415	4,406	4,016	3,660	2,958	2,696	2,527	2,471	2,375	2,458	2,763
Master's degrees	1,300	1,483	1,264	1,220	1,284	1,350	1,291	1,318	1,373	464	380	481
Doctor's degrees	96	164	116	112	112	153	146	116	133	89	111	80
Nursing												
Bachelor's degrees	32,525	33,569	34,473	34,483	34,273	31,929	30,165	28,822	29,361	31,029	34,792	39,076
Master's degrees	5,946	5,745	5,821	6,154	6,277	6,540	6,503	6,790	7,129	7,512	8,151	8,991
Doctor's degrees	175	220	273	277	275	283	372	319	408	408	396	382

Table 4.—Bachelor's, master's, doctor's, and first-professional degrees conferred, by selected fields of study: 1969–70 to 1993–94—Continued

Field of study and degree level	1982–83	1983–84	1984–85	1985–86	1986–87	1987–88	1988–89	1989–90	1990–91	1991–92	1992–93	1993–94
1	15	16	17	18	19	20	21	22	23	24	25	26
Mathematics												
Bachelor's degrees	12,719	13,764	15,861	17,147	16,999	16,608	15,994	15,176	15,310	14,783	14,812	14,396
Master's degrees	3,398	3,244	3,413	3,607	3,730	3,867	3,903	4,146	4,041	4,011	4,067	4,100
Doctor's degrees	731	743	734	777	759	796	915	966	1,036	1,082	1,189	1,157
Physical sciences and science technologies												
Bachelor's degrees	23,381	23,651	23,704	21,717	20,070	17,806	17,186	16,066	16,344	16,960	17,545	18,400
Master's degrees	5,290	5,576	5,796	5,902	5,629	5,733	5,723	5,449	5,309	5,374	5,366	5,679
Doctor's degrees	3,269	3,306	3,403	3,551	3,673	3,809	3,858	4,164	4,290	4,391	4,393	4,650
Physics												
Bachelor's degrees	3,793	3,907	4,097	4,180	4,318	4,100	4,352	4,155	4,236	4,098	4,063	4,001
Master's degrees	1,369	1,532	1,523	1,501	1,543	1,675	1,736	1,831	1,725	1,834	1,777	1,945
Doctor's degrees	873	953	951	1,010	1,074	1,093	1,112	1,192	1,209	1,337	1,277	1,465
Chemistry												
Bachelor's degrees	10,796	10,704	10,482	10,116	9,670	9,052	8,625	8,132	8,321	8,641	8,914	9,425
Master's degrees	1,622	1,667	1,719	1,754	1,738	1,708	1,774	1,682	1,665	1,780	1,842	1,999
Doctor's degrees	1,746	1,744	1,789	1,908	1,976	1,995	2,037	2,183	2,238	2,280	2,261	2,353
Social sciences and history												
Bachelor's degrees	95,228	93,323	91,570	93,840	96,342	100,460	108,151	118,083	125,107	133,974	135,703	133,680
Master's degrees	11,205	10,577	10,503	10,564	10,506	10,412	11,023	11,634	12,233	12,702	13,471	14,561
Doctor's degrees	2,931	2,911	2,851	2,955	2,916	2,781	2,885	3,010	3,012	3,218	3,460	3,627
History												
Bachelor's degrees	16,467	16,643	16,049	16,415	16,997	18,207	20,159	22,476	24,541	26,966	27,774	27,503
Master's degrees	2,041	1,940	1,921	1,961	2,021	2,093	2,121	2,369	2,591	2,754	2,952	3,009
Doctor's degrees	575	561	468	497	534	517	487	570	606	644	690	752
Sociology												
Bachelor's degrees	14,105	13,145	11,968	12,271	12,239	13,024	14,435	16,035	17,550	19,568	20,896	22,368
Master's degrees	1,112	1,008	1,022	965	950	984	1,135	1,198	1,260	1,347	1,521	1,639
Doctor's degrees	522	520	480	504	451	452	451	432	465	501	536	530
First-professional degrees												
Dentistry	5,585	5,353	5,339	5,046	4,741	4,477	4,265	4,100	3,699	3,593	3,605	3,787
Medicine	15,484	15,813	16,041	15,938	15,428	15,358	15,460	15,075	15,043	15,243	15,531	15,368
Law	36,853	37,012	37,491	35,844	36,056	35,397	35,634	36,485	37,945	38,848	40,302	40,044

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey: "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources; "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services; and "Engineering" includes Engineering, Engineering-related technologies, Mechanics and Repairers, and Construction Trades.

SOURCE.—U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred" survey and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1997.)

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Table 5.—Percent of bachelor's, master's, first-professional, and doctor's degrees conferred to women, by selected fields of study: 1969–70 to 1993–9/

Field of study and degree level	1969–70	1970–71	1971–72	1972–73	1973–74	1974–75	1975–76	1976–77	1977–78	1978–79	1979–80	1980–81	1981–82
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Agriculture and natural resources													
Bachelor's	4.1	4.2	5.5	7.4	9.7	14.1	18.3	22.3	24.6	27.1	29.6	30.8	31.3
Master's	6.3	5.9	7.1	7.8	9.8	11.9	14.3	14.7	18.8	20.2	22.5	23.5	25.2
Doctor's	2.8	2.9	2.7	2.6	3.5	3.3	6.6	6.9	6.4	7.7	11.3	11.9	14.3
Biological sciences/life sciences													
Bachelor's	29.7	29.1	29.4	29.8	31.2	33.1	34.6	36.2	38.4	40.2	42.1	44.1	45.4
Master's	31.5	33.6	33.0	30.5	30.5	30.0	31.7	33.7	35.4	37.6	37.1	38.9	41.7
Doctor's	14.3	16.3	17.0	19.5	20.3	22.0	21.5	21.4	24.1	25.6	26.0	28.3	29.1
Business													
Bachelor's	8.7	9.1	9.5	10.6	12.8	16.3	19.8	23.5	27.3	30.6	33.7	36.9	39.4
Master's	3.6	3.9	3.9	4.9	6.6	8.5	11.7	14.4	16.9	19.2	22.4	25.1	27.9
Doctor's	1.6	2.8	2.2	5.8	5.3	4.2	5.4	6.3	8.5	11.8	14.7	15.1	18.0
Computer and information sciences													
Bachelor's	12.9	13.6	13.6	14.9	16.4	18.9	19.8	23.9	25.7	28.1	30.2	32.5	34.8
Master's	9.3	10.3	11.4	10.6	12.9	14.7	14.5	16.7	18.7	18.8	20.9	23.0	26.5
Doctor's	1.9	2.3	7.2	7.7	4.5	6.6	9.4	8.8	7.7	12.7	11.3	9.9	8.4
Education													
Bachelor's	75.3	74.5	74.1	73.6	73.5	73.3	72.8	72.2	72.5	73.2	73.8	75.0	75.8
Master's	55.4	56.2	57.4	58.3	60.0	62.3	64.4	66.0	67.8	68.7	70.2	71.5	72.3
Doctor's	19.8	21.0	23.2	24.3	26.4	30.4	33.0	34.2	39.0	41.8	43.9	47.2	48.4
Engineering													
Bachelor's	0.7	0.8	1.0	1.2	1.6	2.2	3.2	4.5	6.7	8.3	9.3	10.3	11.4
Master's	1.1	1.1	1.6	1.7	2.3	2.4	3.6	4.4	5.3	6.1	7.0	8.2	9.1
Doctor's	0.7	0.6	0.6	1.5	1.7	2.1	2.3	2.8	2.3	3.3	3.8	4.1	5.3
Health professions and related sciences													
Bachelor's	68.6	77.1	75.5	76.9	77.4	77.7	78.8	79.2	80.5	82.0	82.2	83.5	84.1
Master's	52.0	55.3	56.4	57.3	60.2	61.7	66.4	67.9	70.2	71.0	72.3	73.9	75.7
Doctor's	16.2	16.5	18.1	24.9	22.7	28.6	28.8	32.0	38.5	36.8	44.7	43.6	45.6
Mathematics													
Bachelor's	37.4	37.9	38.9	40.0	40.7	41.2	40.1	41.1	40.3	40.8	41.5	42.1	42.8
Master's	29.6	27.1	28.2	28.1	28.7	30.3	31.4	32.8	31.8	32.1	33.1	31.5	30.8
Doctor's	7.8	7.6	7.7	9.4	9.2	10.7	10.7	12.9	14.9	16.3	13.6	15.4	13.6
Physical sciences and science technologies													
Bachelor's	13.6	13.8	14.9	14.8	16.5	18.2	19.2	20.0	21.3	22.5	23.7	24.6	25.7
Master's	14.2	13.3	14.0	13.5	14.5	14.4	15.0	16.5	16.9	18.2	18.6	20.5	21.7
Doctor's	5.4	5.6	6.7	6.7	7.0	8.3	8.7	9.5	10.0	11.3	12.4	12.0	13.7
Social sciences and history													
Bachelor's	35.9	36.8	36.2	36.1	36.4	37.3	37.7	39.2	40.5	41.8	43.6	44.2	44.6
Master's	28.3	28.5	28.1	27.9	28.8	30.1	31.6	33.0	33.1	35.2	36.0	37.6	37.8
Doctor's	12.8	13.9	14.7	15.6	18.0	20.8	21.5	22.2	24.3	25.8	27.0	27.2	26.9
First-professional degrees													
Dentistry	0.9	1.1	1.1	1.4	1.9	3.1	4.4	7.3	10.9	11.8	13.3	14.4	15.4
Medicine	8.4	9.1	9.0	8.9	11.1	13.1	16.2	19.1	21.5	23.0	23.4	24.7	25.0
Law	5.4	7.1	6.9	8.0	11.4	15.1	19.2	22.5	26.0	28.5	30.2	32.4	33.4

Table 5.—Percent of bachelor's, master's, first-professional, and doctor's degrees conferred to women, by selected fields of study: 1969–70 to 1993–94—Continued

Field of study and degree level	1982–83	1983–84	1984–85	1985–86	1986–87	1987–88	1988–89	1989–90	1990–91	1991–92	1992–93	1993–94
1	15	16	17	18	19	20	21	22	23	24	25	26
Agriculture and natural resources												
Bachelor's	32.6	31.6	31.1	31.4	31.2	31.5	31.1	31.6	32.7	34.7	34.0	35.0
Master's	26.4	28.5	27.5	28.9	30.2	30.2	31.2	33.8	34.4	35.4	37.5	38.9
Doctor's	12.6	14.6	14.6	16.6	17.0	18.9	19.7	19.8	19.6	20.7	25.1	23.2
Biological sciences/life sciences												
Bachelor's	46.1	46.8	47.8	48.1	48.4	50.4	50.2	50.8	50.9	51.6	51.4	51.2
Master's	43.6	44.6	47.7	47.8	48.7	49.4	49.8	50.8	51.7	51.9	50.7	52.6
Doctor's	32.2	30.7	32.8	33.6	34.9	35.3	36.5	37.7	37.0	38.3	39.9	40.7
Business												
Bachelor's	42.0	43.5	45.1	45.7	46.5	46.7	46.8	46.8	47.2	47.2	47.2	47.6
Master's	29.0	30.2	31.0	31.1	33.1	33.6	33.6	34.0	35.0	35.4	35.7	36.5
Doctor's	17.0	21.4	17.2	21.9	23.9	23.8	27.3	25.2	26.1	23.3	28.0	28.2
Computer and information sciences												
Bachelor's	36.3	37.1	36.8	35.7	34.7	32.4	30.8	29.9	29.3	28.7	28.1	28.4
Master's	28.3	29.3	28.7	29.9	29.4	26.9	28.0	28.1	29.6	27.8	27.1	25.8
Doctor's	13.0	10.4	10.1	13.1	13.9	11.2	15.4	14.8	13.6	13.3	14.4	15.4
Education												
Bachelor's	75.8	76.0	75.9	75.9	76.2	77.0	77.6	78.1	78.9	79.0	78.4	77.3
Master's	72.6	72.1	72.5	72.9	73.9	75.0	75.4	75.9	76.6	77.1	76.9	76.7
Doctor's	49.7	50.1	52.0	53.2	54.3	54.8	57.3	57.3	57.8	59.5	59.2	60.8
Engineering												
Bachelor's	12.3	12.8	13.1	13.1	13.7	13.7	13.6	13.8	13.9	14.0	14.4	14.9
Master's	9.3	10.4	10.7	11.5	12.6	12.4	13.0	13.8	14.1	14.8	14.9	15.5
Doctor's	4.4	5.5	6.4	6.7	6.9	7.0	8.8	8.9	9.2	9.6	9.6	11.1
Health professions and related sciences												
Bachelor's	84.2	84.4	84.9	85.0	85.5	85.3	85.0	84.4	83.8	83.5	83.1	82.4
Master's	75.2	75.6	76.3	76.2	78.9	78.3	78.1	77.7	79.0	79.7	79.7	79.3
Doctor's	43.8	50.7	52.9	51.3	53.5	56.5	57.6	54.2	57.0	58.0	57.4	58.5
Mathematics												
Bachelor's	43.6	43.9	46.2	46.3	46.4	46.3	45.8	45.7	46.6	46.6	47.2	46.3
Master's	31.8	32.9	32.9	33.5	37.6	38.2	38.0	38.1	39.5	38.9	39.6	38.1
Doctor's	16.4	17.4	15.5	16.6	17.3	16.1	19.5	17.8	19.2	21.3	23.8	21.9
Physical sciences and science technologies												
Bachelor's	27.3	27.6	28.0	27.5	28.4	30.4	29.7	31.3	31.6	32.6	32.6	33.6
Master's	21.4	23.5	23.2	24.3	25.0	24.6	26.6	26.4	27.7	27.3	29.0	29.2
Doctor's	14.0	14.9	16.2	16.6	17.3	18.0	20.0	19.4	19.7	21.9	21.9	21.7
Social sciences and history												
Bachelor's	44.6	44.1	44.1	43.8	44.0	43.9	44.4	44.2	45.1	45.5	45.8	46.1
Master's	37.8	38.1	38.4	39.2	39.3	39.4	40.1	40.7	42.6	43.0	43.1	44.0
Doctor's	30.3	30.3	32.2	33.3	30.5	33.5	32.4	32.9	35.1	33.9	36.3	36.1
First-professional degrees												
Dentistry	17.1	19.6	20.7	22.6	24.0	26.3	26.8	30.9	32.1	32.3	33.9	38.5
Medicine	26.7	28.2	30.4	30.8	32.4	33.1	33.3	34.2	36.0	35.7	37.7	37.9
Law	36.1	36.8	38.5	39.0	40.2	40.5	40.9	42.2	43.0	42.7	42.5	43.0

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey. "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources. "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services; and "Engineering" includes Engineering, Engineering-related technologies, Mechanics and repairers, and Construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS) "Completions" surveys. (This table was prepared February 1997.)

Table 6.—Percent[1] of bachelor's, master's, doctor's, and first-professional degrees conferred to resident minority students, by field of study: Selected years, 1976–77 to 1993–94

Field of study and degree level	1976–77	1978–79	1980–81	1984–85	1986–87	1988–89	1989–90	1990–91	1991–92	1992–93	1993–94
1	2	3	4	5	6	7	8	9	10	11	12
Agriculture and natural resources											
Bachelor's	3.9	4.2	4.9	5.3	6.0	6.4	6.9	6.9	7.4	7.2	7.5
Master's	6.5	6.8	6.4	7.1	6.9	7.0	6.7	7.8	8.1	8.9	13.0
Doctor's	9.0	8.8	8.3	11.4	9.3	8.8	8.7	8.1	9.2	9.0	10.5
Biological sciences/life sciences											
Bachelor's	9.3	10.9	11.9	14.5	16.0	17.9	18.7	19.4	20.9	21.9	22.9
Master's	6.9	7.9	7.1	10.1	10.6	11.4	11.0	12.5	14.7	16.0	15.0
Doctor's	6.5	6.5	7.3	8.5	9.2	9.7	9.1	10.5	11.8	12.9	14.0
Business											
Bachelor's	10.5	10.8	11.3	12.0	12.0	13.0	13.3	14.3	15.4	16.9	18.8
Master's	7.6	9.0	9.6	10.1	11.1	12.0	11.8	12.3	13.0	14.5	15.8
Doctor's	5.5	5.4	9.4	8.8	11.7	11.1	10.6	10.8	12.8	9.6	12.8
Computer and information sciences											
Bachelor's	10.4	11.2	12.4	14.1	18.1	20.8	22.0	22.3	23.3	25.0	26.2
Master's	9.4	10.1	13.0	17.8	19.3	20.9	21.1	23.7	26.4	26.2	29.2
Doctor's	6.4	6.9	8.0	11.8	11.7	16.1	13.1	13.1	13.5	15.5	18.1
Education											
Bachelor's	12.3	12.8	12.7	10.7	9.3	8.5	8.4	8.9	9.3	9.6	10.7
Master's	13.6	13.6	13.5	13.2	11.7	10.9	11.5	11.7	12.2	12.6	13.5
Doctor's	12.6	12.5	12.5	12.7	13.1	12.5	13.2	13.2	13.4	14.0	14.5
Engineering											
Bachelor's	8.0	8.6	10.0	12.3	14.9	16.3	17.1	18.3	18.8	19.5	20.1
Master's	10.1	11.6	14.0	15.6	16.9	17.9	17.0	18.3	19.9	19.4	20.1
Doctor's	10.1	14.2	15.2	22.5	17.6	17.1	18.9	18.9	20.1	17.7	20.8
Health professions and related sciences											
Bachelor's	9.1	9.3	10.0	11.2	11.2	12.6	13.7	14.2	14.1	14.5	14.5
Master's	9.9	9.6	10.4	10.2	10.2	10.5	11.0	11.1	11.6	12.1	12.6
Doctor's	8.9	6.1	8.6	10.6	9.1	8.5	11.7	11.8	10.9	11.7	13.3
Mathematics											
Bachelor's	9.2	10.6	11.1	13.9	14.1	15.0	14.4	15.3	16.1	16.8	18.3
Master's	8.3	8.2	10.0	12.7	13.4	11.7	12.5	14.6	12.7	13.5	14.8
Doctor's	8.1	8.5	8.6	14.9	13.8	10.6	13.6	13.1	13.2	13.1	17.1
Physical sciences and science technologies											
Bachelor's	6.6	6.8	8.5	9.3	11.6	12.6	13.4	14.2	14.1	14.9	15.2
Master's	6.7	7.0	7.3	9.4	10.0	10.6	10.5	11.8	13.9	13.2	14.2
Doctor's	6.6	7.6	6.3	10.0	9.5	10.4	10.2	10.2	12.0	11.9	15.3
Social sciences and history											
Bachelor's	13.4	13.2	13.3	12.9	13.0	13.8	14.0	14.7	16.1	17.0	18.8
Master's	11.6	11.2	11.4	12.7	11.2	11.8	12.2	13.0	13.0	13.9	14.6
Doctor's	7.7	8.6	8.7	11.7	10.6	13.0	12.3	12.3	12.6	11.8	12.7
First-professional degrees											
Dentistry	8.1	9.0	9.2	13.3	16.5	19.8	22.7	25.3	28.7	27.1	26.9
Law	7.5	7.8	8.6	9.1	10.1	10.4	11.1	11.5	12.4	14.3	16.0
Medicine	9.3	10.2	10.8	12.7	14.0	16.6	19.0	20.5	22.5	23.4	25.7

[1] Percent based on all resident students, excluding nonresident aliens.

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey. "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources. "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services; and "Engineering" includes Engineering, Engineering-related technologies, Mechanics and repairers, and Construction trades.

SOURCE.—U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred" survey and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1997.)

Table 7.—Bachelor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94

Discipline division	1969–70[1]			1970–71[1]			1971–72[1]			1972–73[1]			1973–74[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Total	**792,316**	**451,097**	**341,219**	**839,730**	**475,594**	**364,136**	**887,273**	**500,590**	**386,683**	**922,362**	**518,191**	**404,171**	**945,776**	**527,313**	**418,463**
Agriculture and natural resources	12,382	11,876	506	12,672	12,136	536	13,516	12,779	737	14,756	13,661	1,095	16,253	14,684	1,569
Architecture and related programs	4,105	3,888	217	5,570	4,906	664	6,440	5,667	773	6,962	6,042	920	7,822	6,665	1,157
Area, ethnic, and cultural studies	2,121	993	1,128	2,582	1,229	1,353	3,044	1,486	1,558	3,512	1,669	1,843	3,721	1,711	2,010
Biological sciences/life sciences	34,034	23,919	10,115	35,743	25,333	10,410	37,293	26,323	10,970	42,233	29,636	12,597	48,340	33,245	15,095
Business	105,580	96,346	9,234	114,729	104,275	10,454	121,266	109,688	11,578	126,144	112,783	13,361	131,640	114,729	16,911
Communications	11,158	8,680	2,478	10,324	6,659	3,665	11,860	7,625	4,235	13,959	8,815	5,144	16,250	9,952	6,298
Communications technologies	—	—	—	478	330	148	480	339	141	358	259	99	846	584	262
Computer and information sciences	1,544	1,345	199	2,388	2,064	324	3,402	2,941	461	4,304	3,664	640	4,756	3,976	780
Education	163,964	40,420	123,544	176,307	44,896	131,411	190,880	49,344	141,536	193,984	51,300	142,684	184,907	48,997	135,910
Engineering	44,479	44,149	330	44,898	44,540	358	45,392	44,912	480	46,411	45,850	561	42,840	42,149	691
Engineering-related technologies	—	—	—	5,148	5,106	42	5,772	5,726	46	4,854	4,802	52	7,446	7,341	105
English language and literature/letters	56,410	18,650	37,760	64,342	22,155	42,187	63,976	22,657	41,319	61,003	22,156	38,847	54,590	20,214	34,376
Foreign languages and literatures	21,109	5,613	15,496	20,536	5,335	15,201	19,543	5,043	14,500	19,760	4,971	14,789	19,719	4,874	14,845
Health professions and related sciences	25,029	7,864	17,165	25,226	5,788	19,438	28,611	7,005	21,606	33,564	7,754	25,810	41,459	9,388	32,071
Home economics and vocational home economics	10,217	290	9,927	11,167	301	10,866	12,072	427	11,645	13,533	503	13,030	15,336	553	14,783
Law and legal studies	555	529	26	545	518	27	503	470	33	474	434	40	494	442	52
Liberal arts and sciences, general studies, and humanities	11,183	7,618	3,565	7,481	4,971	2,510	9,487	6,459	3,028	10,702	7,020	3,682	13,161	7,661	5,500
Library science	1,203	90	1,113	1,013	81	932	989	66	923	1,159	87	1,072	1,164	86	1,078
Mathematics	27,442	17,177	10,265	24,937	15,498	9,439	23,807	14,542	9,265	23,186	13,910	9,276	21,761	12,912	8,849
Multi/interdisciplinary studies	—	—	—	6,286	4,853	1,433	6,860	4,867	1,993	9,590	6,513	3,077	11,380	7,836	3,544
Parks, recreation, leisure, and fitness studies	1,416	892	524	1,621	1,058	563	2,161	1,438	723	2,724	1,701	1,023	3,705	2,246	1,459
Philosophy and religion	7,530	5,809	1,721	8,146	6,126	2,020	8,535	6,337	2,198	9,142	6,706	2,436	9,444	6,756	2,688
Physical sciences and science technologies	21,439	18,522	2,917	21,412	18,459	2,953	20,745	17,663	3,082	20,696	17,626	3,070	21,178	17,674	3,504
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	—	—	—	2,045	1,856	189	2,913	2,564	349	4,381	3,790	591	8,257	7,103	1,154
Psychology	33,679	19,077	14,602	38,187	21,227	16,960	43,433	23,352	20,081	47,940	25,117	22,823	52,139	25,868	26,271
Public administration and services	4,414	1,247	3,167	5,466	1,726	3,740	7,508	2,588	4,920	10,690	3,998	6,692	11,966	4,266	7,700
R.O.T.C. and military technologies	1,618	1,618	0	357	356	1	206	206	0	81	81	0	147	146	1
Social sciences and history	149,270	95,704	53,566	155,324	98,173	57,151	158,060	100,895	57,165	155,970	99,735	56,235	150,320	95,650	54,670
Theological studies and religious vocations	3,827	2,732	1,095	3,744	2,727	1,017	3,882	2,803	1,079	3,534	2,621	913	4,218	3,027	1,191
Transportation and material moving workers	707	702	5	662	656	6	806	798	8	739	720	19	787	757	30
Visual and performing arts	35,901	15,347	20,554	30,394	12,256	18,138	33,831	13,580	20,251	36,017	14,267	21,750	39,730	15,821	23,909
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table 7.—Bachelor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1974–75[1]			1975–76[1]			1976–77[1]			1977–78[1]			1978–79[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Total	**922,933**	**504,841**	**418,092**	**925,746**	**504,925**	**420,821**	**919,549**	**495,545**	**424,004**	**921,204**	**487,347**	**433,857**	**921,390**	**477,344**	**444,046**
Agriculture and natural resources	17,528	15,061	2,467	19,402	15,845	3,557	21,467	16,690	4,777	22,650	17,069	5,581	23,134	16,854	6,280
Architecture and related programs	8,226	6,791	1,435	9,146	7,396	1,750	9,222	7,249	1,973	9,250	7,054	2,196	9,273	6,876	2,397
Area, ethnic, and cultural studies	3,544	1,637	1,907	3,577	1,612	1,965	3,450	1,536	1,914	3,257	1,362	1,895	3,006	1,265	1,741
Biological sciences/life sciences	51,741	34,612	17,129	54,275	35,520	18,755	53,605	34,218	19,387	51,502	31,705	19,797	48,846	29,191	19,655
Business	132,731	111,144	21,587	142,034	113,954	28,080	150,765	115,353	35,412	159,691	116,171	43,520	171,241	118,825	52,416
Communications	18,156	10,706	7,450	20,045	11,580	8,465	21,698	11,911	9,787	23,873	12,526	11,347	24,906	12,352	12,554
Communications technologies	1,092	749	343	1,237	878	359	1,516	1,021	495	1,527	954	573	1,551	914	637
Computer and information sciences	5,033	4,080	953	5,652	4,534	1,118	6,407	4,876	1,531	7,201	5,349	1,852	8,719	6,272	2,447
Education	166,758	44,463	122,295	154,437	42,004	112,433	143,234	39,867	103,367	135,821	37,410	98,411	125,873	33,743	92,130
Engineering	39,388	38,566	822	38,388	37,093	1,295	40,936	38,914	2,022	46,869	43,405	3,464	53,021	48,174	4,847
Engineering-related technologies	7,464	7,272	192	7,943	7,778	165	8,347	8,151	196	8,785	8,540	245	9,354	9,027	327
English language and literature/letters	47,619	17,880	29,739	42,006	16,073	25,933	37,794	14,295	23,499	35,328	13,137	22,191	33,561	12,198	21,363
Foreign languages and literatures	18,521	4,508	14,013	16,484	4,067	12,417	14,999	3,765	11,234	13,767	3,482	10,285	12,821	3,234	9,587
Health professions and related sciences	49,090	10,930	38,160	53,958	11,456	42,502	57,328	11,947	45,381	59,434	11,593	47,841	62,085	11,205	50,880
Home economics and vocational home economics	16,772	680	16,092	17,409	720	16,689	17,439	722	16,717	17,621	785	16,836	18,300	890	17,410
Law and legal studies	436	374	62	531	431	100	559	405	154	653	466	187	678	404	274
Liberal arts and sciences, general studies, and humanities	16,553	8,775	7,778	18,855	9,398	9,457	20,463	9,839	10,624	23,509	11,425	12,084	22,750	10,580	12,170
Library science	1,069	80	989	843	58	785	781	71	710	693	80	613	558	30	528
Mathematics	18,460	10,853	7,607	16,329	9,788	6,541	14,395	8,476	5,919	13,065	7,806	5,259	12,329	7,301	5,028
Multi/interdisciplinary studies	11,664	7,592	4,072	13,588	8,500	5,088	13,449	8,146	5,303	12,129	7,385	4,744	11,404	6,534	4,870
Parks, recreation, leisure, and fitness studies	4,518	2,567	1,951	5,182	2,848	2,334	5,514	2,889	2,625	5,623	2,764	2,859	5,981	2,575	3,406
Philosophy and religion	8,997	6,396	2,601	8,447	5,915	2,532	8,158	5,752	2,406	7,907	5,459	2,448	7,347	5,095	2,252
Physical sciences and science technologies	20,778	16,992	3,786	21,465	17,353	4,112	22,497	17,996	4,501	22,986	18,090	4,896	23,207	17,985	5,222
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	9,956	8,284	1,672	12,507	10,196	2,311	14,530	11,546	2,984	14,885	10,921	3,964	14,803	10,307	4,496
Psychology	51,245	24,284	26,961	50,278	22,898	27,380	47,861	20,627	27,234	44,879	18,422	26,457	42,697	16,540	26,157
Public administration and services	13,661	4,630	9,031	15,440	5,706	9,734	16,136	5,544	10,592	16,607	5,096	11,511	17,328	4,938	12,390
R.O.T.C. and military technologies	173	173	0	952	951	1	711	710	1	134	133	1	114	114	0
Social sciences and history	135,190	84,826	50,364	126,396	78,691	47,705	117,040	71,128	45,912	112,952	67,217	45,735	108,059	62,852	45,207
Theological studies and religious vocations	4,809	3,490	1,319	5,520	4,009	1,511	6,109	4,534	1,575	6,319	4,793	1,526	6,091	4,528	1,563
Transportation and material moving workers	979	914	65	1,282	1,182	100	1,346	1,201	145	1,336	1,176	160	1,384	1,161	223
Visual and performing arts	40,782	15,532	25,250	42,138	16,491	25,647	41,793	16,166	25,627	40,951	15,572	25,379	40,969	15,380	25,589
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7.—Bachelor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1979–80 [1]			1980–81 [1]			1981–82 [1]			1982–83 [1]			1983–84 [1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
Total	**929,417**	**473,611**	**455,806**	**935,140**	**469,883**	**465,257**	**952,998**	**473,364**	**479,634**	**969,510**	**479,140**	**490,370**	**974,309**	**482,319**	**491,990**
Agriculture and natural resources	22,802	16,045	6,757	21,886	15,154	6,732	21,029	14,443	6,586	20,909	14,085	6,824	19,317	13,206	6,111
Architecture and related programs	9,132	6,596	2,536	9,455	6,800	2,655	9,728	6,825	2,903	9,823	6,403	3,420	9,186	5,895	3,291
Area, ethnic, and cultural studies	2,840	1,125	1,715	2,887	1,148	1,739	2,862	1,032	1,830	3,068	1,101	1,967	3,005	1,195	1,810
Biological sciences/life sciences	46,370	26,828	19,542	43,216	24,149	19,067	41,639	22,754	18,885	39,982	21,564	18,418	38,640	20,558	18,082
Business	184,867	122,508	62,359	198,983	125,523	73,460	213,374	129,262	84,112	226,627	131,538	95,089	229,478	129,559	99,919
Communications	26,927	12,727	14,200	29,426	13,183	16,245	32,428	13,947	18,481	36,954	15,318	21,636	38,586	15,774	22,812
Communications technologies	1,689	929	760	1,854	996	858	1,794	970	824	1,613	843	770	1,527	830	697
Computer and information sciences	11,154	7,782	3,372	15,121	10,202	4,919	20,267	13,218	7,049	24,510	15,606	8,904	32,172	20,246	11,926
Education	118,038	30,901	87,137	108,074	27,039	81,035	100,932	24,380	76,552	97,895	23,644	74,251	92,299	22,195	70,104
Engineering	58,402	52,487	5,915	63,287	56,263	7,024	67,021	58,790	8,231	72,163	62,574	9,589	75,638	64,991	10,647
Engineering-related technologies	10,491	10,001	490	11,713	11,038	675	12,984	12,109	875	16,855	15,522	1,333	18,547	17,101	1,446
English language and literature/letters	32,541	11,380	21,161	32,254	11,198	21,056	33,419	11,414	22,005	31,829	10,859	20,970	32,834	11,170	21,664
Foreign languages and literatures	12,089	3,048	9,041	11,273	2,866	8,407	10,756	2,741	8,015	10,599	2,822	7,777	10,384	2,877	7,507
Health professions and related sciences	63,920	11,391	52,529	63,649	10,519	53,130	63,653	10,105	53,548	64,685	10,218	54,467	64,288	10,040	54,248
Home economics and vocational home economics	18,411	861	17,550	18,370	916	17,454	17,872	1,016	16,856	16,296	910	15,386	15,948	995	14,953
Law and legal studies	683	372	311	776	388	388	846	416	430	1,099	457	642	1,272	533	739
Liberal arts and sciences, general studies, and humanities	23,196	10,666	12,530	21,643	9,709	11,934	21,089	9,107	11,982	21,603	9,710	11,893	21,479	9,659	11,820
Library science	398	20	378	375	22	353	307	43	264	254	26	228	252	32	220
Mathematics	11,872	6,951	4,921	11,433	6,614	4,819	12,226	6,999	5,227	12,719	7,175	5,544	13,764	7,716	6,048
Multi/interdisciplinary studies	11,277	6,531	4,746	12,848	7,175	5,673	14,707	8,037	6,670	14,107	7,500	6,607	13,940	7,266	6,674
Parks, recreation, leisure, and fitness studies	5,753	2,401	3,352	5,729	2,223	3,506	5,335	2,006	3,329	5,214	1,930	3,284	4,850	1,811	3,039
Philosophy and religion	7,069	4,802	2,267	6,776	4,556	2,220	6,309	4,208	2,101	6,483	4,341	2,142	6,435	4,299	2,136
Physical sciences and science technologies	23,410	17,864	5,546	23,952	18,064	5,888	24,052	17,866	6,186	23,381	16,993	6,388	23,651	17,116	6,535
Precision production trades	—	—	—	—	—	—	—	—	—	384	314	70	371	294	77
Protective services	15,015	9,995	5,020	13,707	8,703	5,004	12,438	7,686	4,752	12,579	7,610	4,969	12,654	7,804	4,850
Psychology	42,093	15,440	26,653	41,068	14,332	26,736	41,212	13,645	27,567	40,460	13,131	27,329	39,955	12,812	27,143
Public administration and services	16,644	4,451	12,193	16,707	4,248	12,459	16,495	4,176	12,319	14,414	3,343	11,071	12,570	2,998	9,572
R.O.T.C. and military technologies	38	37	1	42	40	2	55	55	0	267	238	29	195	179	16
Social sciences and history	103,662	58,511	45,151	100,513	56,131	44,382	99,705	55,196	44,509	95,228	52,771	42,457	93,323	52,154	41,169
Theological studies and religious vocations	6,207	4,625	1,582	5,841	4,358	1,483	5,998	4,461	1,537	6,054	4,412	1,642	5,920	4,371	1,549
Transportation and material moving workers	1,535	1,271	264	1,801	1,528	273	2,044	1,638	406	1,662	1,492	170	1,698	1,554	144
Visual and performing arts	40,892	15,065	25,827	40,479	14,798	25,681	40,422	14,819	25,603	39,794	14,690	25,104	40,131	15,089	25,042
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table 7.—Bachelor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1984–85 [1]			1985–86 [1]			1986–87 [1]			1987–88 [1]			1988–89 [1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
Total	**979,477**	**482,528**	**496,949**	**987,823**	**485,923**	**501,900**	**991,264**	**480,782**	**510,482**	**994,829**	**477,203**	**517,626**	**1,018,755**	**483,346**	**535,409**
Agriculture and natural resources	18,107	12,477	5,630	16,823	11,544	5,279	14,991	10,314	4,677	14,222	9,744	4,478	13,492	9,298	4,194
Architecture and related programs	9,325	6,019	3,306	9,119	5,824	3,295	8,950	5,617	3,333	8,603	5,271	3,332	9,150	5,545	3,605
Area, ethnic, and cultural studies	2,985	1,104	1,881	3,178	1,264	1,914	3,427	1,253	2,174	3,601	1,392	2,209	4,102	1,611	2,491
Biological sciences/life sciences	38,445	20,064	18,381	38,524	19,993	18,531	38,121	19,657	18,464	36,755	18,245	18,510	36,059	17,953	18,106
Business	232,636	127,659	104,977	237,319	128,780	108,539	240,546	128,603	111,943	243,021	129,552	113,469	246,399	131,157	115,242
Communications	40,358	16,318	24,040	41,666	16,887	24,779	43,953	17,386	26,567	45,410	17,857	27,553	47,405	18,551	28,854
Communications technologies	1,644	857	787	1,410	752	658	1,384	724	660	1,239	670	569	1,204	664	540
Computer and information sciences	38,878	24,579	14,299	41,889	26,923	14,966	39,589	25,865	13,724	34,523	23,331	11,192	30,454	21,087	9,367
Education	88,072	21,252	66,820	87,114	20,959	66,155	86,936	20,729	66,207	91,112	20,988	70,124	96,913	21,662	75,251
Engineering	77,066	65,889	11,177	76,225	65,194	11,031	73,747	62,496	11,251	69,380	58,742	10,638	66,099	56,069	10,030
Engineering-related technologies	18,762	17,343	1,419	19,435	17,923	1,512	19,069	17,608	1,461	19,126	17,630	1,496	18,903	17,367	1,536
English language and literature/letters	33,218	11,334	21,884	34,552	11,819	22,733	36,284	12,353	23,931	38,661	12,836	25,825	42,470	13,927	28,543
Foreign languages and literatures	10,827	2,979	7,848	10,984	3,130	7,854	11,034	3,116	7,918	10,926	3,053	7,873	11,693	3,217	8,476
Health professions and related sciences	64,422	9,741	54,681	64,396	9,630	54,766	63,103	9,134	53,969	60,644	8,929	51,715	59,005	8,872	50,133
Home economics and vocational home economics	15,157	993	14,164	14,889	1,032	13,857	14,417	1,090	13,327	14,320	1,188	13,132	14,160	1,335	12,825
Law and legal studies	1,157	449	708	1,197	419	778	1,178	370	808	1,303	413	890	1,976	785	1,191
Liberal arts and sciences, general studies, and humanities	21,818	9,507	12,311	21,336	9,415	11,921	23,717	10,191	13,526	24,274	10,387	13,887	26,388	11,204	15,184
Library science	197	23	174	155	17	138	136	20	116	119	17	102	121	15	106
Mathematics	15,861	8,537	7,324	17,147	9,216	7,931	16,999	9,110	7,889	16,608	8,919	7,689	15,994	8,662	7,332
Multi/interdisciplinary studies	12,978	6,576	6,402	13,489	6,730	6,759	13,933	6,718	7,215	14,723	7,298	7,425	15,168	7,281	7,887
Parks, recreation, leisure, and fitness studies	4,725	1,792	2,933	4,620	1,725	2,895	4,264	1,690	2,574	4,235	1,744	2,491	4,376	1,788	2,588
Philosophy and religion	6,400	4,244	2,156	6,239	4,161	2,078	5,984	3,845	2,139	5,963	3,855	2,108	6,425	4,134	2,291
Physical sciences and science technologies	23,704	17,069	6,635	21,717	15,755	5,962	20,070	14,372	5,698	17,806	12,389	5,417	17,186	12,077	5,109
Precision production trades	553	357	196	400	328	72	455	332	123	481	308	173	482	307	175
Protective services	12,510	7,694	4,816	12,704	7,963	4,741	12,930	7,974	4,956	13,367	8,352	5,015	14,698	9,128	5,570
Psychology	39,900	12,706	27,194	40,628	12,605	28,023	42,994	13,362	29,632	45,187	13,538	31,649	48,910	14,246	34,664
Public administration and services	11,754	2,829	8,925	11,887	2,966	8,921	12,328	2,993	9,335	12,385	2,923	9,462	13,162	3,214	9,948
R.O.T.C. and military technologies	299	273	26	256	235	21	384	358	26	82	74	8	198	170	28
Social sciences and history	91,570	51,226	40,344	93,640	52,724	41,116	96,342	53,949	42,393	100,460	56,377	44,083	108,151	60,121	48,030
Theological studies and religious vocations	6,047	4,411	1,636	5,607	4,127	1,480	5,730	4,331	1,399	5,565	4,173	1,392	5,318	4,102	1,216
Transportation and material moving workers	1,962	1,765	197	1,837	1,647	190	1,654	1,471	183	1,983	1,809	174	2,062	1,858	204
Visual and performing arts	39,140	14,462	23,678	37,241	14,236	23,005	36,615	13,751	22,864	36,744	14,068	22,676	38,227	14,539	23,688
Not classified by field of study	0	0	0	0	0	0	0	0	0	1,101	1,131	670	2,405	1,400	1,005

Table 7.—Bachelor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1989–90[1]			1990–91[1]			1991–92			1992–93			1993–94		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
Total	**1,051,344**	**491,696**	**559,648**	**1,094,538**	**504,045**	**590,493**	**1,136,553**	**520,811**	**615,742**	**1,165,178**	**532,881**	**632,297**	**1,169,275**	**532,422**	**636,853**
Agriculture and natural resources	12,900	8,822	4,078	13,124	8,832	4,292	15,124	9,869	5,255	16,778	11,080	5,698	18,070	11,748	6,322
Architecture and related programs	9,364	5,703	3,661	9,781	5,788	3,993	8,753	5,805	2,948	9,167	5,940	3,227	8,975	5,764	3,211
Area, ethnic, and cultural studies	4,613	1,768	2,845	4,884	1,860	3,024	5,342	1,907	3,435	5,481	1,977	3,504	5,573	1,958	3,615
Biological sciences/life sciences	37,204	18,312	18,892	39,530	19,412	20,118	42,941	20,798	22,143	47,038	22,842	24,196	51,383	25,050	26,333
Business	248,698	132,329	116,369	249,311	131,624	117,687	256,603	135,440	121,163	256,842	135,573	121,269	246,654	129,161	117,493
Communications	50,114	19,591	30,523	51,650	20,043	31,607	54,257	21,150	33,107	53,874	21,601	32,273	51,164	21,023	30,141
Communications technologies	1,194	627	567	1,123	602	521	720	347	373	832	427	405	663	336	327
Computer and information sciences	27,257	19,117	8,140	25,083	17,726	7,357	24,557	17,510	7,047	24,200	17,403	6,797	24,200	17,317	6,883
Education	105,112	23,007	82,105	110,807	23,417	87,390	108,006	22,686	85,320	107,781	23,233	84,548	107,600	24,450	83,150
Engineering	63,609	53,804	9,805	61,531	52,043	9,488	61,206	51,768	9,438	61,973	52,185	9,788	62,220	52,035	10,185
Engineering-related technologies	17,713	16,267	1,446	17,119	15,695	1,424	16,335	14,948	1,387	16,078	14,651	1,427	16,005	14,562	1,443
English language and literature/letters	47,519	15,662	31,857	51,841	17,146	34,695	54,951	18,536	36,415	56,133	19,247	36,886	53,924	18,425	35,499
Foreign languages and literatures	12,386	3,387	8,999	13,133	3,739	9,394	13,903	3,985	9,918	14,387	4,158	10,229	14,378	4,304	10,074
Health professions and related sciences	58,302	9,118	49,184	59,070	9,596	49,474	61,720	10,189	51,531	67,089	11,347	55,742	74,421	13,062	61,359
Home economics and vocational home economics	14,491	1,454	13,037	14,892	1,564	13,328	14,898	1,687	13,211	15,100	1,638	13,462	15,522	1,933	13,589
Law and legal studies	1,592	514	1,078	1,758	573	1,185	2,144	701	1,443	2,056	667	1,389	2,171	648	1,523
Liberal arts and sciences, general studies, and humanities	27,985	11,395	16,590	30,526	12,247	18,279	32,174	12,784	19,390	33,456	13,275	20,181	33,397	13,117	20,280
Library science	77	13	64	90	6	84	97	8	89	83	9	74	62	5	57
Mathematics	15,176	8,236	6,940	15,310	8,178	7,132	14,783	7,888	6,895	14,812	7,827	6,985	14,396	7,735	6,661
Multi/interdisciplinary studies	16,267	7,843	8,424	17,561	8,036	9,525	20,647	8,628	12,019	23,955	8,917	15,038	25,167	9,058	16,109
Parks, recreation, leisure, and fitness studies	4,582	2,016	2,566	4,315	1,869	2,446	8,446	4,144	4,302	9,859	4,885	4,974	11,470	5,823	5,647
Philosophy and religion	6,868	4,402	2,466	7,315	4,657	2,658	7,526	4,752	2,774	7,781	4,938	2,843	7,546	4,844	2,702
Physical sciences and science technologies	16,066	11,031	5,035	16,344	11,176	5,168	16,960	11,431	5,529	17,545	11,825	5,720	18,400	12,223	6,177
Precision production trades	528	388	140	460	309	151	378	280	98	388	281	107	420	308	112
Protective services	15,354	9,519	5,835	16,806	10,405	6,401	18,855	11,659	7,196	20,902	13,020	7,882	23,009	14,169	8,840
Psychology	53,952	15,336	38,616	58,655	16,067	42,588	63,513	17,031	46,482	66,728	17,908	48,820	69,259	18,642	50,617
Public administration and services	13,908	3,334	10,574	14,350	3,215	11,135	15,987	3,479	12,508	16,775	3,801	12,974	17,815	3,919	13,896
R.O.T.C. and military technologies	196	177	19	183	157	26	184	158	26	11	11	0	19	16	3
Social sciences and history	118,083	65,887	52,196	125,107	68,701	56,406	133,974	73,001	60,973	135,703	73,589	62,114	133,680	72,006	61,674
Theological studies and religious vocations	5,200	3,950	1,250	4,813	3,649	1,164	4,729	3,552	1,177	5,433	4,168	1,265	5,434	4,125	1,309
Transportation and material moving workers	2,387	2,119	268	2,622	2,331	291	3,598	3,239	359	3,930	3,508	422	3,923	3,500	423
Visual and performing arts	39,934	15,189	24,745	42,186	15,761	26,425	46,522	17,616	28,906	47,761	18,610	29,151	49,053	19,538	29,515
Not classified by field of study	2,713	1,379	1,334	13,258	7,621	5,637	6,720	3,835	2,885	5,247	2,340	2,907	3,302	1,618	1,684

[1] Revised from previously published data.

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey: "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources; "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services; and "Engineering-related technologies" includes Engineering-related technologies, Mechanics and repairers, and Construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared February 1997.)

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Table 8.—Master's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94

Discipline division	1969–70 [1]			1970–71 [1]			1971–72 [1]			1972–73 [1]			1973–74 [1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Total	**208,291**	**125,624**	**82,667**	**230,509**	**138,146**	**92,363**	**251,633**	**149,550**	**102,083**	**263,371**	**154,468**	**108,903**	**277,033**	**157,842**	**119,191**
Agriculture and natural resources	2,197	2,059	138	2,457	2,313	144	2,680	2,490	190	2,807	2,588	219	2,928	2,640	288
Architecture and related programs	1,427	1,260	167	1,705	1,469	236	1,899	1,626	273	2,307	1,943	364	2,702	2,208	494
Area, ethnic, and cultural studies	782	474	308	1,032	637	395	1,001	590	411	1,053	664	389	1,160	709	451
Biological sciences/life sciences	5,800	3,975	1,825	5,728	3,805	1,923	6,101	4,087	2,014	6,263	4,354	1,909	6,552	4,555	1,997
Business	21,561	20,792	769	25,977	24,967	1,010	30,028	28,845	1,183	30,638	29,128	1,510	32,172	30,044	2,128
Communications	992	687	305	1,770	1,158	612	2,043	1,342	701	2,308	1,489	819	2,503	1,582	921
Communications technologies	—	—	—	86	56	30	157	101	56	98	57	41	137	86	51
Computer and information sciences	1,459	1,324	135	1,588	1,424	164	1,977	1,752	225	2,113	1,888	225	2,276	1,983	293
Education	78,020	34,832	43,188	87,666	38,365	49,301	96,668	41,141	55,527	103,777	43,298	60,479	110,402	44,112	66,290
Engineering	15,593	15,421	172	16,309	16,124	185	16,723	16,452	271	16,497	16,221	276	15,170	14,823	347
Engineering-related technologies	—	—	—	134	134	0	237	236	1	122	120	2	209	200	9
English language and literature/letters	8,517	3,326	5,191	10,686	4,211	6,475	10,579	4,123	6,456	10,239	4,063	6,176	9,803	3,917	5,886
Foreign languages and literatures	5,137	1,917	3,220	5,217	1,866	3,351	5,111	1,857	3,254	4,858	1,828	3,030	4,545	1,623	2,922
Health professions and related sciences	4,488	2,153	2,335	5,749	2,567	3,182	7,207	3,141	4,066	8,362	3,567	4,795	9,599	3,819	5,780
Home economics and vocational home economics	1,297	75	1,222	1,452	88	1,364	1,666	122	1,544	1,679	156	1,523	1,858	164	1,694
Law and legal studies	884	846	38	955	909	46	917	867	50	1,048	977	71	1,181	1,097	84
Liberal arts and sciences, general studies, and humanities	2,187	1,374	813	885	490	395	1,241	637	604	1,425	550	875	2,291	1,042	1,249
Library science	6,511	1,104	5,407	7,001	1,311	5,690	7,383	1,484	5,899	7,696	1,676	6,020	8,134	1,803	6,331
Mathematics	5,636	3,966	1,670	5,695	4,149	1,546	5,537	3,976	1,561	5,397	3,878	1,519	5,306	3,784	1,522
Multi/interdisciplinary studies	—	—	—	821	616	205	902	665	237	1,121	834	287	1,146	822	324
Parks, recreation, leisure and fitness studies	282	193	89	218	153	65	369	250	119	391	260	131	440	317	123
Philosophy and religion	1,055	839	216	1,326	894	432	1,386	931	455	1,218	840	378	1,384	964	420
Physical sciences and science technologies	5,935	5,093	842	6,367	5,521	846	6,287	5,404	883	6,257	5,414	843	6,062	5,186	876
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	—	—	—	194	174	20	211	195	16	342	276	66	561	486	75
Psychology	5,158	2,975	2,183	5,717	3,395	2,322	6,764	3,934	2,830	7,619	4,325	3,294	8,796	4,983	3,813
Public administration and services	6,755	3,183	3,572	7,785	3,893	3,892	8,756	4,537	4,219	10,068	5,271	4,797	11,415	6,028	5,387
R.O.T.C. and military technologies	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Social sciences and history	15,877	11,391	4,486	16,539	11,833	4,706	17,445	12,540	4,905	17,477	12,605	4,872	17,293	12,321	4,972
Theological studies and religious vocations	2,854	2,169	685	2,710	2,049	661	2,755	2,110	645	2,778	2,036	742	2,898	2,110	788
Transportation and material moving workers	38	38	0	63	63	0	66	66	0	159	157	2	109	109	0
Visual and performing arts	7,849	4,158	3,691	6,675	3,510	3,165	7,537	4,049	3,488	7,254	4,005	3,249	8,001	4,325	3,676
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.—Master's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1974–75[1]			1975–76[1]			1976–77[1]			1977–78[1]			1978–79[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Total	**292,450**	**161,570**	**130,880**	**311,771**	**167,248**	**144,523**	**317,164**	**167,783**	**149,381**	**311,620**	**161,212**	**150,408**	**301,079**	**153,370**	**147,709**
Agriculture and natural resources	3,067	2,703	364	3,340	2,862	478	3,724	3,177	547	4,023	3,268	755	3,994	3,187	807
Architecture and related programs	2,938	2,343	595	3,215	2,545	670	3,213	2,489	724	3,115	2,304	811	3,113	2,226	887
Area, ethnic, and cultural studies	1,166	663	503	995	543	452	1,052	554	498	981	516	465	853	437	416
Biological sciences/life sciences	6,550	4,587	1,963	6,582	4,497	2,085	7,114	4,718	2,396	6,806	4,400	2,406	6,831	4,265	2,566
Business	35,758	32,732	3,026	42,054	37,145	4,909	46,006	39,400	6,606	47,837	39,743	8,094	49,855	40,274	9,581
Communications	2,644	1,554	1,090	2,961	1,708	1,253	2,870	1,591	1,279	3,077	1,528	1,549	2,654	1,362	1,292
Communications technologies	150	64	86	165	110	55	221	128	93	219	145	74	228	121	107
Computer and information sciences	2,299	1,961	338	2,603	2,226	377	2,798	2,332	466	3,038	2,471	567	3,055	2,480	575
Education	117,841	44,430	73,411	126,061	44,831	81,230	124,267	42,308	81,959	116,916	37,662	79,254	109,866	34,410	75,456
Engineering	15,127	14,756	371	16,014	15,446	568	15,961	15,264	697	16,038	15,198	840	15,227	14,294	933
Engineering-related technologies	221	217	4	328	314	14	284	261	23	360	335	25	268	250	18
English language and literature/letters	9,444	3,569	5,875	8,809	3,383	5,426	8,016	2,985	5,031	7,655	2,706	4,949	6,684	2,369	4,315
Foreign languages and literatures	4,431	1,542	2,889	4,190	1,459	2,731	3,832	1,257	2,575	3,377	1,080	2,297	3,031	1,001	2,030
Health professions and related sciences	10,692	4,092	6,600	12,556	4,217	8,339	12,951	4,163	8,788	14,325	4,265	10,060	15,485	4,494	10,991
Home economics and vocational home economics	1,901	203	1,698	2,179	186	1,993	2,334	207	2,127	2,613	212	2,401	2,510	222	2,288
Law and legal studies	1,245	1,145	100	1,442	1,269	173	1,574	1,366	208	1,786	1,525	261	1,647	1,392	255
Liberal arts and sciences, general studies, and humanities	2,394	971	1,423	2,633	1,205	1,428	2,324	1,107	1,217	2,259	1,062	1,197	2,452	1,196	1,256
Library science	8,091	1,719	6,372	8,037	1,741	6,296	7,572	1,546	6,026	6,914	1,384	5,530	5,906	1,159	4,747
Mathematics	4,816	3,358	1,458	4,315	2,961	1,354	4,109	2,762	1,347	3,862	2,635	1,227	3,553	2,412	1,141
Multi/interdisciplinary studies	1,174	894	280	1,158	824	334	2,174	1,720	454	2,228	1,744	484	2,134	1,611	523
Parks, recreation, leisure and fitness studies	604	413	191	571	357	214	609	387	222	574	327	247	755	361	394
Philosophy and religion	1,402	927	475	1,356	911	445	1,300	846	454	1,249	707	542	1,143	670	473
Physical sciences and science technologies	5,807	4,969	838	5,466	4,648	818	5,331	4,450	881	5,561	4,620	941	5,451	4,461	990
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	993	854	139	1,197	995	202	1,681	1,393	288	1,902	1,511	391	1,729	1,346	383
Psychology	9,394	5,035	4,359	10,167	5,136	5,031	10,859	5,293	5,566	10,282	4,670	5,612	10,132	4,405	5,727
Public administration and services	13,617	7,200	6,417	15,209	7,969	7,240	17,026	8,810	8,216	17,337	8,513	8,824	17,306	8,051	9,255
R.O.T.C. and military technologies	0	0	0	0	0	0	43	42	1	45	44	1	38	38	0
Social sciences and history	16,977	11,875	5,102	15,953	10,918	5,035	15,533	10,413	5,120	14,718	9,845	4,873	12,963	8,395	4,568
Theological studies and religious vocations	3,228	2,230	998	3,290	2,232	1,058	3,625	2,488	1,137	3,329	2,314	1,015	3,558	2,418	1,140
Transportation and material moving workers	117	116	1	108	103	5	125	115	10	158	151	7	134	130	4
Visual and performing arts	8,362	4,448	3,914	8,817	4,507	4,310	8,636	4,211	4,425	9,036	4,327	4,709	8,524	3,933	4,591
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.—Master's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1979–80[1]			1980–81[1]			1981–82[1]			1982–83[1]			1983–84[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
Total	**298,081**	**150,749**	**147,332**	**295,739**	**147,043**	**148,696**	**295,546**	**145,532**	**150,014**	**289,921**	**144,697**	**145,224**	**284,263**	**143,595**	**140,668**
Agriculture and natural resources	3,976	3,082	894	4,003	3,061	942	4,163	3,114	1,049	4,254	3,129	1,125	4,178	2,989	1,189
Architecture and related programs	3,139	2,245	894	3,153	2,234	919	3,327	2,242	1,085	3,357	2,224	1,133	3,223	2,197	1,026
Area, ethnic, and cultural studies	852	442	410	804	398	406	809	410	399	845	411	434	897	463	434
Biological sciences/life sciences	6,510	4,098	2,412	5,978	3,654	2,324	5,874	3,426	2,448	5,696	3,214	2,482	5,406	2,996	2,410
Business	54,484	42,288	12,196	57,391	42,980	14,411	60,763	43,807	16,956	64,758	45,999	18,759	66,150	46,178	19,972
Communications	2,911	1,422	1,489	2,896	1,352	1,544	3,104	1,450	1,654	3,502	1,611	1,891	3,513	1,511	2,002
Communications technologies	171	105	66	209	96	113	223	128	95	102	50	52	143	89	54
Computer and information sciences	3,647	2,883	764	4,218	3,247	971	4,935	3,625	1,310	5,321	3,813	1,508	6,190	4,379	1,811
Education	101,819	30,300	71,519	96,713	27,548	69,165	91,601	25,339	66,262	83,250	22,823	60,427	75,664	21,142	54,522
Engineering	15,904	14,782	1,122	16,386	15,063	1,323	17,526	15,953	1,573	18,807	17,063	1,744	20,078	17,984	2,094
Engineering-related technologies	339	319	20	323	284	39	413	358	55	537	485	52	577	516	61
English language and literature/letters	6,189	2,233	3,956	5,929	2,092	3,837	5,772	1,983	3,789	5,048	1,710	3,338	5,010	1,736	3,274
Foreign languages and literatures	2,854	929	1,925	2,690	927	1,763	2,657	882	1,775	2,478	908	1,570	2,581	893	1,688
Health professions and related sciences	15,704	4,357	11,347	16,515	4,316	12,199	16,503	4,006	12,497	17,047	4,235	12,812	17,411	4,251	13,160
Home economics and vocational home economics	2,690	234	2,456	2,570	252	2,318	2,355	201	2,154	2,385	220	2,165	2,416	276	2,140
Law and legal studies	1,817	1,531	286	1,832	1,506	326	1,893	1,510	383	2,091	1,603	488	1,802	1,387	415
Liberal arts and sciences, general studies, and humanities	2,646	1,265	1,381	2,375	1,194	1,181	2,425	1,103	1,322	1,286	502	784	1,796	694	1,102
Library science	5,374	1,004	4,370	4,859	841	4,018	4,506	799	3,707	3,904	716	3,188	3,782	762	3,020
Mathematics	3,382	2,262	1,120	3,074	2,106	968	3,263	2,257	1,006	3,398	2,316	1,082	3,244	2,178	1,066
Multi/interdisciplinary studies	2,306	1,596	710	2,144	1,527	617	2,553	1,737	816	2,499	1,487	1,012	2,431	1,537	894
Parks, recreation, leisure and fitness studies	647	297	350	643	303	340	526	276	250	608	273	335	603	276	327
Philosophy and religion	1,204	719	485	1,229	728	501	1,152	688	464	1,091	667	424	1,153	741	412
Physical sciences and science technologies	5,219	4,248	971	5,284	4,200	1,084	5,514	4,318	1,196	5,290	4,157	1,133	5,576	4,268	1,308
Precision production trades	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0
Protective services	1,805	1,413	392	1,538	1,140	398	1,336	974	362	1,300	951	349	1,219	901	318
Psychology	9,938	4,096	5,842	10,223	4,066	6,157	9,947	3,823	6,124	9,981	3,647	6,334	9,525	3,400	6,125
Public administration and services	17,560	7,866	9,694	17,803	7,460	10,343	17,416	6,975	10,441	16,046	5,961	10,085	15,060	5,634	9,426
R.O.T.C. and military technologies	46	46	0	43	43	0	49	48	1	110	109	1	127	126	1
Social sciences and history	12,176	7,794	4,382	11,945	7,457	4,488	12,002	7,468	4,534	11,205	6,974	4,231	10,577	6,551	4,026
Theological studies and religious vocations	3,922	2,705	1,217	4,220	2,801	1,419	4,064	2,650	1,414	4,871	3,339	1,532	5,211	3,462	1,749
Transportation and material moving workers	142	121	21	120	111	9	129	116	13	91	87	4	194	181	13
Visual and performing arts	8,708	4,067	4,641	8,629	4,056	4,573	8,746	3,866	4,880	8,763	4,013	4,750	8,526	3,897	4,629
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.—Master's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1984–85[1]			1985–86[1]			1986–87[1]			1987–88[1]			1988–89[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
Total	**286,251**	**143,390**	**142,861**	**288,567**	**143,508**	**145,059**	**289,349**	**141,269**	**148,080**	**299,317**	**145,163**	**154,154**	**310,621**	**149,354**	**161,267**
Agriculture and natural resources	3,928	2,846	1,082	3,801	2,701	1,100	3,522	2,460	1,062	3,479	2,427	1,052	3,245	2,231	1,014
Architecture and related programs	3,275	2,148	1,127	3,260	2,129	1,131	3,163	2,086	1,077	3,159	2,042	1,117	3,383	2,192	1,191
Area, ethnic, and cultural studies	904	473	431	945	490	455	864	458	406	911	490	421	1,016	511	505
Biological sciences/life sciences	5,059	2,647	2,412	5,013	2,616	2,397	4,952	2,538	2,414	4,784	2,423	2,361	4,961	2,492	2,469
Business	66,996	46,209	20,787	66,689	45,938	20,751	67,093	44,913	22,180	69,230	45,980	23,250	73,065	48,540	24,525
Communications	3,460	1,447	2,013	3,500	1,405	2,095	3,622	1,441	2,181	3,678	1,446	2,232	3,940	1,563	2,377
Communications technologies	209	129	80	323	205	118	271	149	122	247	122	125	317	174	143
Computer and information sciences	7,101	5,064	2,037	8,070	5,658	2,412	8,481	5,985	2,496	9,197	6,726	2,471	9,414	6,775	2,639
Education	74,654	20,537	54,117	74,801	20,295	54,506	74,045	19,293	54,752	76,566	19,108	57,458	81,174	19,956	61,218
Engineering	20,905	18,664	2,241	21,040	18,647	2,393	22,015	19,250	2,765	22,627	19,837	2,790	23,740	20,652	3,088
Engineering-related technologies	650	583	67	617	518	99	639	554	85	758	639	119	828	722	106
English language and literature/letters	5,187	1,786	3,401	5,518	1,881	3,637	5,483	1,891	3,592	5,562	1,870	3,692	5,950	2,002	3,948
Foreign languages and literatures	2,471	837	1,634	2,494	797	1,697	2,379	766	1,613	2,469	844	1,625	2,595	875	1,720
Health professions and related sciences	17,385	4,119	13,266	18,573	4,428	14,145	18,394	3,874	14,520	18,657	4,047	14,610	19,268	4,226	15,042
Home economics and vocational home economics	2,375	279	2,096	2,294	281	2,013	2,064	256	1,808	2,047	246	1,801	2,164	307	1,857
Law and legal studies	1,796	1,377	419	1,924	1,441	483	1,943	1,423	520	1,880	1,386	494	2,013	1,431	582
Liberal arts and sciences, general studies, and humanities	1,696	637	1,059	1,586	620	966	1,581	622	959	1,814	687	1,127	1,850	683	1,167
Library science	3,870	753	3,117	3,564	705	2,859	3,783	788	2,995	3,674	780	2,894	3,906	811	3,095
Mathematics	3,413	2,289	1,124	3,607	2,397	1,210	3,730	2,328	1,402	3,867	2,391	1,476	3,903	2,418	1,485
Multi/interdisciplinary studies	2,583	1,618	965	2,625	1,603	1,022	2,482	1,553	929	2,575	1,590	985	2,762	1,740	1,022
Parks, recreation, leisure and fitness studies	596	267	329	570	269	301	560	244	316	544	238	306	535	231	304
Philosophy and religion	1,167	701	466	1,163	713	450	1,109	698	411	1,099	677	422	1,280	757	523
Physical sciences and science technologies	5,796	4,452	1,344	5,902	4,470	1,432	5,629	4,219	1,410	5,733	4,324	1,409	5,723	4,199	1,524
Precision production trades	4	3	1	0	0	0	0	0	0	4	3	1	0	0	0
Protective services	1,235	850	385	1,074	748	326	1,019	719	300	1,024	727	297	1,047	721	326
Psychology	9,891	3,452	6,439	9,845	3,347	6,498	9,562	3,172	6,390	9,180	2,923	6,257	9,940	3,122	6,818
Public administration and services	15,575	5,573	10,002	15,692	5,594	10,098	16,432	5,673	10,759	16,424	5,631	10,793	17,020	5,615	11,405
R.O.T.C. and military technologies	119	118	1	83	81	2	119	118	1	49	48	1	0	0	0
Social sciences and history	10,503	6,475	4,028	10,564	6,419	4,145	10,506	6,373	4,133	10,412	6,310	4,102	11,023	6,599	4,424
Theological studies and religious vocations	4,435	2,881	1,554	4,556	2,902	1,654	4,966	3,249	1,717	4,905	3,251	1,654	4,749	3,061	1,688
Transportation and material moving workers	295	282	13	454	435	19	433	420	13	679	635	44	692	655	37
Visual and performing arts	8,718	3,894	4,824	8,420	3,775	4,645	8,508	3,756	4,752	7,939	3,442	4,497	8,267	3,611	4,656
Not classified by field of study	0	0	0	0	0	0	0	0	0	4,144	1,873	2,271	851	482	369

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Table 8.—Master's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1989–90[1]			1990–91[1]			1991–92			1992–93			1993–94		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
Total	**324,301**	**153,653**	**170,648**	**337,168**	**156,482**	**180,686**	**352,838**	**161,842**	**190,996**	**369,585**	**169,258**	**200,327**	**387,070**	**176,085**	**210,985**
Agriculture and natural resources	3,382	2,239	1,143	3,295	2,160	1,135	3,735	2,413	1,322	3,965	2,477	1,488	4,119	2,515	1,604
Architecture and related programs	3,499	2,228	1,271	3,490	2,244	1,246	3,640	2,271	1,369	3,808	2,376	1,432	3,943	2,428	1,515
Area, ethnic, and cultural studies	1,212	650	562	1,263	637	626	1,385	688	697	1,523	732	791	1,633	768	865
Biological sciences/life sciences	4,869	2,395	2,474	4,765	2,302	2,463	4,785	2,301	2,484	4,756	2,343	2,413	5,196	2,465	2,731
Business	76,676	50,585	26,091	78,255	50,883	27,372	84,642	54,705	29,937	89,615	57,651	31,964	93,437	59,335	34,102
Communications	4,063	1,557	2,506	4,123	1,618	2,505	4,180	1,537	2,643	4,754	1,725	3,029	5,005	1,870	3,135
Communications technologies	299	150	149	213	93	120	284	155	129	455	255	200	414	228	186
Computer and information sciences	9,677	6,960	2,717	9,324	6,563	2,761	9,530	6,884	2,646	10,163	7,410	2,753	10,416	7,724	2,692
Education	84,881	20,467	64,414	87,343	20,448	66,895	92,668	21,244	71,424	96,028	22,197	73,831	98,938	23,008	75,930
Engineering	23,863	20,612	3,251	23,962	20,615	3,347	24,983	21,327	3,656	27,626	23,537	4,089	28,621	24,218	4,403
Engineering-related technologies	909	745	164	996	815	181	994	816	178	1,100	917	183	1,133	936	197
English language and literature/letters	6,567	2,205	4,362	7,026	2,296	4,730	7,450	2,513	4,937	7,790	2,667	5,123	7,885	2,712	5,173
Foreign languages and literatures	2,760	900	1,860	2,800	918	1,882	2,926	971	1,955	3,198	1,062	2,136	3,288	1,087	2,201
Health professions and related sciences	20,321	4,534	15,787	21,200	4,444	16,756	23,065	4,691	18,374	25,718	5,227	20,491	28,025	5,814	22,211
Home economics and vocational home economics	2,100	305	1,795	2,019	299	1,720	2,412	409	2,003	2,479	422	2,057	2,421	405	2,016
Law and legal studies	1,888	1,318	570	2,057	1,443	614	2,369	1,597	772	2,197	1,481	716	2,432	1,608	824
Liberal arts and sciences, general studies, and humanities	1,999	721	1,278	2,213	745	1,468	2,394	870	1,524	2,416	840	1,576	2,496	913	1,583
Library science	4,341	981	3,360	4,763	991	3,772	4,893	992	3,901	4,871	961	3,910	5,116	1,040	4,076
Mathematics	4,146	2,568	1,578	4,041	2,446	1,595	4,011	2,452	1,559	4,067	2,455	1,612	4,100	2,536	1,564
Multi/interdisciplinary studies	2,834	1,700	1,134	1,796	915	881	2,126	995	1,131	2,498	1,221	1,277	2,464	1,194	1,270
Parks, recreation, leisure and fitness studies	529	211	318	483	206	277	1,358	650	708	1,434	714	720	1,625	845	780
Philosophy and religion	1,306	824	482	1,441	833	608	1,146	731	415	1,425	988	437	1,350	837	513
Physical sciences and science technologies	5,449	4,010	1,439	5,309	3,837	1,472	5,374	3,909	1,465	5,366	3,808	1,558	5,679	4,018	1,661
Precision production trades	3	2	1	0	0	0	0	0	0	2	2	0	2	0	2
Protective services	1,151	791	360	1,108	739	369	1,249	797	452	1,357	837	520	1,437	902	535
Psychology	10,730	3,377	7,353	11,349	3,329	8,020	10,215	2,988	7,227	10,957	3,029	7,928	12,181	3,401	8,780
Public administration and services	17,399	5,634	11,765	17,905	5,679	12,226	19,243	5,769	13,474	20,634	6,105	14,529	21,833	6,406	15,427
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	108	100	8	124	117	7
Social sciences and history	11,634	6,898	4,736	12,233	7,016	5,217	12,702	7,237	5,465	13,471	7,671	5,800	14,561	8,152	6,409
Theological studies and religious vocations	4,959	3,149	1,810	4,810	3,075	1,735	5,185	3,199	1,986	4,985	2,989	1,996	4,956	3,034	1,922
Transportation and material moving workers	538	504	34	406	377	29	385	354	31	495	456	39	664	610	54
Visual and performing arts	8,481	3,706	4,775	8,657	3,830	4,827	9,353	4,078	5,275	9,440	4,099	5,341	9,925	4,229	5,696
Not classified by field of study	1,836	727	1,109	8,523	4,686	3,837	4,156	2,299	1,857	884	504	380	1,651	730	921

[1] Revised from previously published data.

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey: "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources; "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services; and "Engineering-related technologies" includes Engineering-related technologies, Mechanics and repairers, and Construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared February 1997.)

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Table 9.—Doctor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94

Discipline division	1969–70[1]			1970–71[1]			1971–72[1]			1972–73[1]			1973–74[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Total	**29,866**	**25,890**	**3,976**	**32,107**	**27,530**	**4,577**	**33,363**	**28,090**	**5,273**	**34,777**	**28,571**	**6,206**	**33,816**	**27,365**	**6,451**
Agriculture and natural resources	1,004	976	28	1,086	1,055	31	971	945	26	1,059	1,031	28	930	897	33
Architecture and related programs	35	33	2	36	33	3	50	43	7	58	54	4	69	65	4
Area, ethnic and cultural studies	135	118	17	144	120	24	155	127	28	163	117	46	165	117	48
Biological sciences/life sciences	3,289	2,820	469	3,645	3,050	595	3,653	3,031	622	3,636	2,926	710	3,439	2,740	699
Business	620	610	10	757	736	21	859	840	19	902	850	52	919	870	49
Communications	27	27	0	145	126	19	105	90	15	139	114	25	168	139	29
Communications technologies	—	—	—	0	0	0	6	6	0	0	0	0	7	7	0
Computer and information sciences	107	105	2	128	125	3	167	155	12	196	181	15	198	189	9
Education	5,588	4,479	1,109	6,041	4,771	1,270	6,648	5,104	1,544	6,857	5,191	1,666	6,757	4,974	1,783
Engineering	3,681	3,657	24	3,637	3,614	23	3,656	3,634	22	3,473	3,419	54	3,308	3,253	55
Engineering-related technologies	—	—	—	1	1	0	15	15	0	19	19	0	4	4	0
English language and literature/letters	1,213	837	376	1,650	1,175	475	1,826	1,233	593	1,935	1,258	677	1,885	1,208	677
Foreign languages and literatures	869	579	290	988	646	342	1,038	678	360	1,226	757	469	1,114	633	481
Health professions and related sciences	357	299	58	466	389	77	442	362	80	646	485	161	578	447	131
Home economics and vocational home economics	116	33	83	123	48	75	104	30	74	165	40	125	136	46	90
Law and legal studies	35	32	3	20	20	0	40	39	1	37	36	1	27	26	1
Liberal arts and sciences, general studies, and humanities	140	119	21	32	22	10	42	29	13	29	21	8	90	59	31
Library science	40	24	16	39	28	11	64	36	28	102	60	42	60	36	24
Mathematics	1,236	1,140	96	1,249	1,154	95	1,165	1,075	90	1,089	987	102	1,093	992	101
Multi/interdisciplinary studies	—	—	—	59	55	4	106	97	9	170	144	26	106	86	20
Parks, recreation, leisure and fitness studies	12	10	2	2	1	1	12	9	3	14	10	4	25	22	3
Philosophy and religion	483	432	51	554	510	44	563	498	65	580	499	81	557	468	89
Physical sciences and science technologies	4,312	4,077	235	4,390	4,144	246	4,103	3,830	273	4,006	3,738	268	3,626	3,373	253
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	—	—	—	1	1	0	3	3	0	3	3	0	3	2	1
Psychology	1,962	1,505	457	2,144	1,629	515	2,277	1,694	583	2,550	1,797	753	2,872	1,987	885
Public administration and services	131	97	34	174	132	42	193	150	43	198	160	38	201	154	47
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences and history	3,457	3,013	444	3,660	3,153	507	4,081	3,483	598	4,234	3,573	661	4,124	3,383	741
Theological studies and religious vocations	281	274	7	312	306	6	441	420	21	666	644	22	768	746	22
Transportation and material moving workers	2	2	0	3	3	0	6	6	0	9	8	1	2	2	0
Visual and performing arts	734	592	142	621	483	138	572	428	144	616	449	167	585	440	145
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9.—Doctor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1974–75[1]			1975–76[1]			1976–77[1]			1977–78[1]			1978–79[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Total	**34,083**	**26,817**	**7,266**	**34,064**	**26,267**	**7,797**	**33,232**	**25,142**	**8,090**	**32,131**	**23,658**	**8,473**	**32,730**	**23,541**	**9,189**
Agriculture and natural resources	991	958	33	928	867	61	893	831	62	971	909	62	950	877	73
Architecture and related programs	69	58	11	82	69	13	73	62	11	73	57	16	96	74	22
Area, ethnic and cultural studies	165	127	38	188	125	63	153	104	49	145	100	45	135	85	50
Biological sciences/life sciences	3,384	2,641	743	3,392	2,663	729	3,397	2,671	726	3,309	2,511	798	3,542	2,636	906
Business	936	897	39	900	851	49	827	775	52	823	753	70	821	724	97
Communications	162	118	44	196	147	49	162	124	38	179	128	51	182	130	52
Communications technologies	3	1	2	8	7	1	9	6	3	12	10	2	10	8	2
Computer and information sciences	213	199	14	244	221	23	216	197	19	196	181	15	236	206	30
Education	6,975	4,856	2,119	7,202	4,826	2,376	7,338	4,832	2,506	7,018	4,281	2,737	7,170	4,174	2,996
Engineering	3,106	3,040	66	2,819	2,753	66	2,583	2,510	73	2,437	2,380	57	2,500	2,417	83
Engineering-related technologies	2	2	0	2	2	0	3	3	0	3	3	0	6	6	0
English language and literature/letters	1,711	1,025	686	1,672	967	705	1,508	841	667	1,400	758	642	1,314	708	606
Foreign languages and literatures	1,097	608	489	1,076	563	513	967	500	467	865	425	440	831	401	430
Health professions and related sciences	618	441	177	577	411	166	538	366	172	654	402	252	718	454	264
Home economics and vocational home economics	156	51	105	178	51	127	160	37	123	203	58	145	219	71	148
Law and legal studies	21	21	0	76	73	3	60	52	8	39	34	5	46	39	7
Liberal arts and sciences, general studies, and humanities	82	48	34	162	105	57	125	73	52	139	93	46	367	241	126
Library science	56	33	23	71	39	32	75	35	40	67	43	24	70	34	36
Mathematics	1,048	936	112	909	812	97	859	748	111	848	722	126	769	644	125
Multi/interdisciplinary studies	188	148	40	111	80	31	179	138	41	162	112	50	342	263	79
Parks, recreation, leisure and fitness studies	14	11	3	15	13	2	15	12	3	10	9	1	25	19	6
Philosophy and religion	544	470	74	554	471	83	468	379	89	444	368	76	415	322	93
Physical sciences and science technologies	3,626	3,325	301	3,431	3,132	299	3,341	3,022	319	3,133	2,821	312	3,102	2,752	350
Precision production trades	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Protective services	11	11	0	9	9	0	10	8	2	17	12	5	15	14	1
Psychology	2,913	1,979	934	3,157	2,115	1,042	3,386	2,127	1,259	3,164	1,974	1,190	3,228	1,895	1,333
Public administration and services	257	192	65	292	192	100	292	197	95	357	237	120	315	215	100
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences and history	4,212	3,334	878	4,157	3,262	895	3,802	2,957	845	3,594	2,722	872	3,371	2,501	870
Theological studies and religious vocations	872	839	33	1,033	991	42	1,125	1,083	42	1,160	1,106	54	1,232	1,175	57
Transportation and material moving workers	2	2	0	3	3	0	6	5	1	1	1	0	3	2	1
Visual and performing arts	649	446	203	620	447	173	662	447	215	708	448	260	700	454	246
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9.—Doctor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1979–80[1]			1980–81[1]			1981–82[1]			1982–83[1]			1983–84[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
Total	**32,615**	**22,943**	**9,672**	**32,958**	**22,711**	**10,247**	**32,707**	**22,224**	**10,483**	**32,775**	**21,902**	**10,873**	**33,209**	**22,064**	**11,145**
Agriculture and natural resources	991	879	112	1,067	940	127	1,079	925	154	1,149	1,004	145	1,172	1,001	171
Architecture and related programs	79	66	13	93	73	20	80	58	22	97	74	23	84	62	22
Area, ethnic and cultural studies	151	99	52	162	103	59	102	58	44	155	90	65	141	90	51
Biological sciences/life sciences	3,636	2,690	946	3,718	2,666	1,052	3,743	2,654	1,089	3,341	2,266	1,075	3,437	2,381	1,056
Business	753	642	111	795	675	120	815	668	147	776	644	132	929	730	199
Communications	182	112	70	171	98	73	182	124	58	205	120	85	215	128	87
Communications technologies	11	9	2	11	9	2	18	12	6	9	6	3	4	3	1
Computer and information sciences	240	213	27	252	227	25	251	230	21	262	228	34	251	225	26
Education	7,314	4,100	3,214	7,279	3,843	3,436	6,999	3,612	3,387	7,057	3,547	3,510	6,911	3,446	3,465
Engineering	2,502	2,407	95	2,551	2,447	104	2,621	2,483	138	2,818	2,693	125	2,979	2,814	165
Engineering-related technologies	5	5	0	10	10	0	15	13	2	13	13	0	2	2	0
English language and literature/letters	1,294	686	608	1,164	553	611	1,101	511	590	991	471	520	1,018	459	559
Foreign languages and literatures	755	358	397	804	403	401	748	358	390	673	308	365	659	306	353
Health professions and related sciences	786	435	351	842	475	367	925	503	422	1,155	649	506	1,164	574	590
Home economics and vocational home economics	192	46	146	247	78	169	247	73	174	255	84	171	277	70	207
Law and legal studies	40	36	4	60	56	4	22	20	2	72	55	17	121	100	21
Liberal arts and sciences, general studies and humanities	192	133	59	121	61	60	155	90	65	215	113	102	173	93	80
Library science	73	35	38	71	31	40	84	31	53	52	21	31	74	38	36
Mathematics	763	659	104	775	656	119	721	623	98	731	611	120	743	614	129
Multi/interdisciplinary studies	209	150	59	158	109	49	238	152	86	225	148	77	249	172	77
Parks, recreation, leisure and fitness studies	21	13	8	42	30	12	33	26	7	33	23	10	27	19	8
Philosophy and religion	374	297	77	410	328	82	364	287	77	404	306	98	442	330	112
Physical sciences and science technologies	3,089	2,705	384	3,141	2,765	376	3,286	2,835	451	3,269	2,811	458	3,306	2,815	491
Precision production trades	—	—	—	—	—	—	—	—	—	0	0	0	0	0	0
Protective services	18	15	3	21	13	8	24	14	10	38	30	8	31	26	5
Psychology	3,395	1,921	1,474	3,576	2,002	1,574	3,461	1,856	1,605	3,602	1,838	1,764	3,535	1,774	1,761
Public administration and services	342	216	126	362	212	150	372	205	167	347	184	163	420	230	190
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences and history	3,230	2,357	873	3,122	2,274	848	3,061	2,237	824	2,931	2,042	889	2,911	2,030	881
Theological studies and religious vocations	1,319	1,242	77	1,276	1,175	101	1,288	1,185	103	1,208	1,119	89	1,204	1,126	78
Transportation and material moving workers	4	4	0	3	3	0	2	1	1	0	0	0	0	0	0
Visual and performing arts	655	413	242	654	396	258	670	380	290	692	404	288	730	406	324
Not classified by field of study	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table 9.—Doctor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1984–85[1]			1985–86[1]			1986–87[1]			1987–88[1]			1988–89[1]		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
Total	**32,943**	**21,700**	**11,243**	**33,653**	**21,819**	**11,834**	**34,041**	**22,061**	**11,980**	**34,870**	**22,615**	**12,255**	**35,720**	**22,648**	**13,072**
Agriculture and natural resources	1,213	1,036	177	1,158	966	192	1,049	871	178	1,142	926	216	1,183	950	233
Architecture and related programs	89	66	23	73	56	17	92	66	26	98	66	32	86	63	23
Area, ethnic and cultural studies	140	87	53	159	89	70	134	73	61	142	71	71	114	57	57
Biological sciences/life sciences	3,432	2,307	1,125	3,358	2,229	1,129	3,419	2,225	1,194	3,629	2,349	1,280	3,520	2,234	1,286
Business	831	688	143	934	729	205	1,062	808	254	1,063	810	253	1,100	800	300
Communications	228	138	90	212	111	101	273	157	116	230	132	98	247	136	111
Communications technologies	6	5	1	11	5	6	2	1	1	4	2	2	6	2	4
Computer and information sciences	248	223	25	344	299	45	374	322	52	428	380	48	551	466	85
Education	6,612	3,172	3,440	6,605	3,088	3,517	6,407	2,931	3,476	6,060	2,739	3,321	6,337	2,704	3,633
Engineering	3,221	3,014	207	3,398	3,170	228	3,801	3,540	261	4,174	3,881	293	4,506	4,107	399
Engineering-related technologies	9	8	1	12	11	1	17	15	2	17	17	0	17	16	1
English language and literature/letters	1,041	470	571	991	428	563	961	415	546	981	428	553	1,022	458	564
Foreign languages and literatures	635	286	349	672	300	372	661	284	377	602	282	320	632	263	369
Health professions and related sciences	1,199	565	634	1,241	604	637	1,213	564	649	1,261	548	713	1,437	609	828
Home economics and vocational home economics	273	78	195	311	78	233	296	65	231	307	82	225	264	59	205
Law and legal studies	105	88	17	54	48	6	120	79	41	89	66	23	76	47	29
Liberal arts and sciences, general studies, and humanities	112	56	56	90	52	38	56	28	28	66	39	27	72	32	40
Library science	87	39	48	62	27	35	57	18	39	46	22	24	61	27	34
Mathematics	734	620	114	777	648	129	759	628	131	796	668	128	915	737	178
Multi/interdisciplinary studies	219	145	74	263	171	92	247	161	86	224	144	80	212	139	73
Parks, recreation, leisure and fitness studies	36	23	13	39	26	13	32	20	12	29	19	10	35	27	8
Philosophy and religion	468	377	91	477	373	104	421	329	92	405	306	99	465	344	121
Physical sciences and science technologies	3,403	2,851	552	3,551	2,963	588	3,673	3,039	634	3,809	3,123	686	3,858	3,088	770
Precision production trades	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective services	33	27	6	21	17	4	18	15	3	32	23	9	26	17	9
Psychology	3,447	1,739	1,708	3,593	1,724	1,869	3,560	1,615	1,945	3,480	1,573	1,907	3,685	1,590	2,095
Public administration and services	431	213	218	382	171	211	398	216	182	470	238	232	428	210	218
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences and history	2,851	1,933	918	2,955	1,970	985	2,916	2,026	890	2,781	1,849	932	2,885	1,949	936
Theological studies and religious vocations	1,144	1,039	105	1,185	1,067	118	1,230	1,103	127	1,199	1,072	127	1,166	1,020	146
Transportation and material moving workers	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0
Visual and performing arts	696	407	289	722	396	326	793	447	346	727	424	303	753	446	307
Not classified by field of study	0	0	0	0	0	0	0	0	0	579	336	243	61	51	10

Table 9.—Doctor's degrees conferred by institutions of higher education, by sex and discipline division: 1969–70 to 1993–94—Continued

Discipline division	1989–90[1]			1990–91[1]			1991–92			1992–93			1993–94		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
Total	**38,371**	**24,401**	**13,970**	**39,294**	**24,756**	**14,538**	**40,659**	**25,557**	**15,102**	**42,132**	**26,073**	**16,059**	**43,185**	**26,552**	**16,633**
Agriculture and natural resources	1,295	1,038	257	1,185	953	232	1,214	963	251	1,173	879	294	1,278	982	296
Architecture and related programs	103	73	30	135	101	34	132	93	39	148	105	43	161	111	50
Area, ethnic and cultural studies	131	71	60	167	94	73	155	90	65	178	90	88	155	75	80
Biological sciences/life sciences	3,844	2,394	1,450	4,093	2,577	1,516	4,243	2,620	1,623	4,435	2,664	1,771	4,534	2,690	1,844
Business	1,093	818	275	1,185	876	309	1,242	953	289	1,346	969	377	1,364	980	384
Communications	267	142	125	259	140	119	252	131	121	293	143	150	337	172	165
Communications technologies	6	3	3	15	11	4	3	1	2	8	3	5	8	2	6
Computer and information sciences	627	534	93	676	584	92	772	669	103	805	689	116	810	685	125
Education	6,502	2,776	3,726	6,187	2,613	3,574	6,864	2,783	4,081	7,030	2,867	4,163	6,908	2,706	4,202
Engineering	4,967	4,522	445	5,258	4,774	484	5,488	4,961	527	5,823	5,265	558	5,963	5,299	664
Engineering-related technologies	14	14	0	14	13	1	11	11	0	20	18	2	16	16	0
English language and literature/letters	1,078	480	598	1,184	517	667	1,273	537	736	1,341	550	791	1,344	568	776
Foreign languages and literatures	724	312	412	758	345	413	850	378	472	830	355	475	886	355	531
Health professions and related sciences	1,536	704	832	1,613	694	919	1,661	698	963	1,767	753	1,014	1,902	789	1,113
Home economics and vocational home economics	301	90	211	253	62	191	293	71	222	345	97	248	365	93	272
Law and legal studies	111	87	24	90	65	25	68	50	18	86	65	21	79	63	16
Liberal arts and sciences, general studies, and humanities	63	31	32	70	36	34	67	30	37	81	38	43	80	46	34
Library science	42	11	31	56	22	34	50	16	34	77	26	51	45	14	31
Mathematics	966	794	172	1,036	837	199	1,082	851	231	1,189	906	283	1,157	904	253
Multi/interdisciplinary studies	272	176	96	220	128	92	231	144	87	196	115	81	227	151	76
Parks, recreation, leisure and fitness studies	35	18	17	28	15	13	61	41	20	108	75	33	116	70	46
Philosophy and religion	439	325	114	456	344	112	475	365	110	448	323	125	528	383	145
Physical sciences and science technologies	4,164	3,356	808	4,290	3,447	843	4,391	3,429	962	4,393	3,432	961	4,650	3,642	1,008
Precision production trades	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective services	38	25	13	28	12	16	24	13	11	32	23	9	25	14	11
Psychology	3,811	1,566	2,245	3,932	1,520	2,412	3,373	1,359	2,014	3,651	1,415	2,236	3,563	1,346	2,217
Public administration and services	508	235	273	430	190	240	432	204	228	459	215	244	519	238	281
R.O.T.C. and military technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences and history	3,010	2,019	991	3,012	1,956	1,056	3,218	2,126	1,092	3,460	2,203	1,257	3,627	2,317	1,310
Theological studies and religious vocations	1,317	1,162	155	1,079	941	138	1,259	1,077	182	1,417	1,219	198	1,448	1,235	213
Transportation and material moving workers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Visual and performing arts	849	472	377	838	466	372	906	504	402	882	478	404	1,054	585	469
Not classified by field of study	258	153	105	747	423	324	569	389	180	111	93	18	36	21	15

[1] Revised from previously published data.

NOTE.—The new Classification of Instructional Programs was initiated in 1991–92. The figures for earlier years have been reclassified when necessary to make them conform to the new taxonomy. To facilitate trend comparisons, certain aggregations have been made of the degree fields as reported in the IPEDS "Completions" survey. "Agriculture and natural resources" includes Agricultural business and production, Agricultural sciences, and Conservation and renewable natural resources; "Business" includes Business management and administrative services, Marketing operations/marketing and distribution, and Consumer and personal services, and "Engineering-related technologies" includes Engineering-related technologies, Mechanics and repairers, and Construction trades.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1997.)

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Table 10.—Associate degrees conferred by institutions of higher education, by racial/ethnic group and sex of student: Selected years, 1976–77 to 1993–94

Year and sex of student	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian/Alaskan Native	Nonresident alien
1	2	3	4	5	6	7	8
	Number of degrees conferred						
1976–77, total[1]	404,956	342,290	33,159	18,636	7,044	2,498	3,329
Men	209,672	178,236	15,330	9,105	3,630	1,216	2,155
Women	195,284	164,054	17,829	7,531	3,414	1,282	1,174
1978–79, total[2]	396,745	331,092	34,979	16,269	7,518	2,336	4,551
Men	187,284	156,671	14,425	8,135	4,058	1,069	2,926
Women	209,461	174,421	20,554	8,134	3,460	1,267	1,625
1980–81, total[3]	410,174	339,167	35,330	17,800	8,650	2,584	6,643
Men	183,819	151,242	14,290	8,327	4,557	1,108	4,295
Women	226,355	187,925	21,040	9,473	4,093	1,476	2,348
1984–85, total[4]	429,815	355,343	35,791	19,407	9,914	2,953	6,407
Men	190,409	157,278	14,184	8,561	5,492	1,198	3,696
Women	239,406	198,065	21,607	10,846	4,422	1,755	2,711
1986–87, total[5]	436,304	361,861	35,447	19,334	11,779	3,195	4,688
Men	190,839	158,132	13,959	8,760	6,169	1,263	2,556
Women	245,465	203,729	21,488	10,574	5,610	1,932	2,132
1988–89, total[6,7]	432,144	354,865	34,664	20,384	12,519	3,331	6,381
Men	183,963	150,978	12,884	9,217	6,366	1,323	3,195
Women	248,181	203,887	21,780	11,167	6,153	2,008	3,186
1989–90, total[6,8]	450,263	369,580	36,327	22,195	13,482	3,530	6,149
Men	188,631	154,748	13,147	9,859	6,477	1,433	2,967
Women	261,632	214,832	22,180	12,336	7,005	2,097	3,182
1990–91, total[6,9]	462,030	376,081	37,657	24,251	13,725	3,672	6,644
Men	190,221	155,330	13,718	10,210	6,440	1,373	3,150
Women	271,809	220,751	23,939	14,041	7,285	2,299	3,494
1991–92, total[6,10]	494,387	400,530	39,411	26,905	15,596	4,008	7,937
Men	202,808	164,799	14,294	11,536	7,254	1,531	3,394
Women	291,579	235,731	25,117	15,369	8,342	2,477	4,543
1992–93, total[6,11]	508,154	405,883	42,340	29,991	16,632	4,379	8,929
Men	209,051	167,312	15,497	12,924	7,877	1,663	3,778
Women	299,103	238,571	26,843	17,067	8,755	2,716	5,151
1993–94, total[6,12]	540,923	428,273	46,451	32,438	18,659	4,975	10,127
Men	220,191	174,947	17,379	13,395	8,403	1,895	4,172
Women	320,732	253,326	29,072	19,043	10,256	3,080	5,955
	Percentage distribution of degrees conferred						
1976–77, total[1]	100.0	84.5	8.2	4.1	1.7	0.6	0.8
Men	100.0	85.0	7.3	4.3	1.7	0.6	1.0
Women	100.0	84.0	9.1	3.9	1.7	0.7	0.6
1978–79, total[2]	100.0	83.5	8.8	4.1	1.9	0.6	1.1
Men	100.0	83.7	7.7	4.3	2.2	0.6	1.6
Women	100.0	83.3	9.8	3.9	1.7	0.6	0.8
1980–81, total[3]	100.0	82.7	8.6	4.3	2.1	0.6	1.6
Men	100.0	82.3	7.8	4.5	2.5	0.6	2.3
Women	100.0	83.0	9.3	4.2	1.8	0.7	1.0
1984–85, total[4]	100.0	82.7	8.3	4.5	2.3	0.7	1.5
Men	100.0	82.6	7.4	4.5	2.9	0.6	1.9
Women	100.0	82.7	9.0	4.5	1.8	0.7	1.1
1986–87, total[5]	100.0	82.9	8.1	4.4	2.7	0.7	1.1
Men	100.0	82.9	7.3	4.6	3.2	0.7	1.3
Women	100.0	83.0	8.8	4.3	2.3	0.8	0.9
1988–89, total[6,7]	100.0	82.1	8.0	4.7	2.9	0.8	1.5
Men	100.0	82.1	7.0	5.0	3.5	0.7	1.7
Women	100.0	82.2	8.8	4.5	2.5	0.8	1.3
1989–90, total[6,8]	100.0	82.1	7.8	4.9	3.0	0.8	1.4
Men	100.0	82.0	7.0	5.2	3.4	0.8	1.6
Women	100.0	82.1	8.5	4.7	2.7	0.8	1.2
1990–91, total[6,9]	100.0	81.4	8.2	5.2	3.0	0.8	1.4
Men	100.0	81.7	7.2	5.4	3.4	0.7	1.7
Women	100.0	81.2	8.8	5.2	2.7	0.8	1.3
1991–92, total[6,10]	100.0	81.0	8.0	5.4	3.2	0.8	1.6
Men	100.0	81.3	7.0	5.7	3.6	0.8	1.7
Women	100.0	80.8	8.6	5.3	2.9	0.8	1.6
1992–93, total[6,11]	100.0	79.9	8.3	5.9	3.3	0.9	1.8
Men	100.0	80.0	7.4	6.2	3.8	0.8	1.8
Women	100.0	79.8	9.0	5.7	2.9	0.9	1.7
1993–94, total[6,12]	100.0	79.2	8.6	6.0	3.4	0.9	1.9
Men	100.0	79.5	7.9	6.1	3.8	0.9	1.9
Women	100.0	79.0	9.1	5.9	3.2	1.0	1.9

[1] Excludes 1,170 men and 251 women whose racial/ethnic group was not available.
[2] Excludes 4,807 men and 1,150 women whose racial/ethnic group was not available.
[3] Excludes 4,819 men and 1,384 women whose racial/ethnic group was not available.
[4] Racial/ethnic data were imputed for approximately 45,400 men and 55,400 women. This tabulation excludes 11,490 men and 10,862 women whose racial/ethnic group could not be imputed. In addition, data for 1,033 men and 1,512 women were not available by field of study and were not imputed by race.
[5] Excludes 3 men and 1 woman whose racial/ethnic group was not available.
[6] Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported.
[7] Excludes 2,353 men and 2,267 women whose racial/ethnic group and field of study were not available.
[8] Excludes 2,564 men and 2,275 women whose racial/ethnic group and field of study were not available.
[9] Excludes 8,413 men and 11,277 women whose racial/ethnic group and field of study were not available.
[10] Excludes 4,673 men and 5,171 women whose racial/ethnic group and field of study were not available.
[11] Excludes 2,913 men and 3,689 women whose racial/ethnic group and field of study were not available.
[12] Excludes 799 men and 727 women whose racial/ethnic group and field of study were not available.

NOTE.—Because of rounding, details may not add up to 100.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared May 1996.)

Table 11.—Bachelor's degrees conferred by institutions of higher education, by racial/ethnic group and sex of student: Selected years, 1976–77 to 1993–94

Year and sex of student	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian/Alaskan Native	Nonresident alien
1	2	3	4	5	6	7	8
	Number of degrees conferred						
1976–77, total [1]	917,900	807,688	56,636	18,743	13,793	3,326	15,714
Men	494,424	438,161	25,147	10,318	7,638	1,804	11,356
Women	423,476	369,527	33,489	8,425	6,155	1,522	4,358
1978–79, total [2]	919,540	802,542	60,246	20,096	15,407	3,410	17,839
Men	476,065	418,215	24,659	10,418	8,261	1,736	12,776
Women	443,475	384,327	35,587	9,678	7,146	1,674	5,063
1980–81, total [3]	934,800	807,319	60,673	21,832	18,794	3,593	22,589
Men	469,625	406,173	24,511	10,810	10,107	1,700	16,324
Women	465,175	401,146	36,162	11,022	8,687	1,893	6,265
1984–85, total [4]	968,311	826,106	57,473	25,874	25,395	4,246	29,217
Men	476,148	405,085	23,018	12,402	13,554	1,998	20,091
Women	492,163	421,021	34,455	13,472	11,841	2,248	9,126
1986–87, total [5]	991,264	841,818	56,560	26,988	32,624	3,968	29,306
Men	480,782	406,749	22,501	12,865	17,253	1,817	19,597
Women	510,482	435,069	34,059	14,123	15,371	2,151	9,709
1988–89, total [5,6]	1,016,350	859,703	58,078	29,918	37,674	3,951	27,026
Men	481,946	407,154	22,370	13,950	19,260	1,730	17,482
Women	534,404	452,549	35,708	15,968	18,414	2,221	9,544
1989–90, total [6,7]	1,048,631	884,376	61,063	32,844	39,248	4,392	26,708
Men	490,317	413,573	23,262	14,941	19,721	1,859	16,961
Women	558,314	470,803	37,801	17,903	19,527	2,533	9,747
1990–91, total [5,8]	1,081,280	904,062	65,341	36,612	41,618	4,513	29,134
Men	496,424	415,505	24,328	16,158	20,678	1,901	17,854
Women	584,856	488,557	41,013	20,454	20,940	2,612	11,280
1991–92, total [5,9]	1,129,833	936,771	72,326	40,761	46,720	5,176	28,079
Men	516,976	429,842	26,956	17,976	23,248	2,182	16,772
Women	612,857	506,929	45,370	22,785	23,472	2,994	11,307
1992–93, total [5,10]	1,159,931	947,309	77,872	45,376	51,463	5,671	32,240
Men	530,541	435,084	28,883	19,865	25,293	2,449	18,967
Women	629,390	512,225	48,989	25,511	26,170	3,222	13,273
1993–94, total [5,11]	1,165,973	936,227	83,576	50,241	55,660	6,189	34,080
Men	530,804	429,121	30,648	21,807	26,938	2,616	19,674
Women	635,169	507,106	52,928	28,434	28,722	3,573	14,406
	Percentage distribution of degrees conferred						
1976–77, total [1]	100.0	88.0	6.4	2.0	1.5	0.4	1.7
Men	100.0	88.6	5.1	2.1	1.5	0.4	2.3
Women	100.0	87.3	7.9	2.0	1.5	0.4	1.0
1978–79, total [2]	100.0	87.3	6.6	2.2	1.7	0.4	1.9
Men	100.0	87.8	5.2	2.2	1.7	0.4	2.7
Women	100.0	86.7	8.0	2.2	1.6	0.4	1.1
1980–81, total [3]	100.0	86.4	6.5	2.3	2.0	0.4	2.4
Men	100.0	86.5	5.2	2.3	2.2	0.4	3.5
Women	100.0	86.2	7.8	2.4	1.9	0.4	1.3
1984–85, total [4]	100.0	85.3	5.9	2.7	2.6	0.4	3.0
Men	100.0	85.1	4.8	2.6	2.8	0.4	4.2
Women	100.0	85.5	7.0	2.7	2.4	0.5	1.9
1986–87, total [5]	100.0	84.9	5.7	2.7	3.3	0.4	3.0
Men	100.0	84.6	4.7	2.7	3.6	0.4	4.1
Women	100.0	85.2	6.7	2.8	3.0	0.4	1.9
1988–89, total [5,6]	100.0	84.6	5.7	2.9	3.7	0.4	2.7
Men	100.0	84.5	4.6	2.9	4.0	0.4	3.6
Women	100.0	84.7	6.7	3.0	3.4	0.4	1.8
1989–90, total [5,7]	100.0	84.3	5.8	3.1	3.7	0.4	2.5
Men	100.0	84.3	4.7	3.0	4.0	0.4	3.5
Women	100.0	84.3	6.8	3.2	3.5	0.5	1.7
1990–91, total [5,8]	100.0	83.6	6.0	3.4	3.8	0.4	2.7
Men	100.0	83.7	4.9	3.3	4.2	0.4	3.6
Women	100.0	83.5	7.0	3.5	3.6	0.4	1.9
1991–92, total [5,9]	100.0	82.9	6.4	3.6	4.1	0.5	2.5
Men	100.0	83.1	5.2	3.5	4.5	0.4	3.2
Women	100.0	82.7	7.4	3.7	3.8	0.5	1.8
1992–93, total [5,10]	100.0	81.7	6.7	3.9	4.4	0.5	2.8
Men	100.0	82.0	5.4	3.7	4.8	0.5	3.6
Women	100.0	81.4	7.8	4.1	4.2	0.5	2.1
1993–94, total [5,11]	100.0	80.3	7.2	4.3	4.8	0.5	2.9
Men	100.0	80.8	5.8	4.1	5.1	0.5	3.7
Women	100.0	79.8	8.3	4.5	4.5	0.6	2.3

[1] Excludes 1,121 men and 528 women whose racial/ethnic group was not available.
[2] Excludes 1,279 men and 571 women whose racial/ethnic group was not available.
[3] Excludes 258 men and 82 women whose racial/ethnic group was not available.
[4] Excludes 6,380 men and 4,786 women whose racial/ethnic group was not available.
[5] Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported.
[6] Excludes 1,400 men and 1,005 women whose racial/ethnic group was not available.
[7] Excludes 1,379 men and 1,334 women whose racial/ethnic group was not available.
[8] Excludes 7,621 men and 5,637 women whose racial/ethnic group was not available.
[9] Excludes 3,835 men and 2,885 women whose racial/ethnic group was not available.
[10] Excludes 2,340 men and 2,907 women whose racial/ethnic group was not available.
[11] Excludes 1,618 men and 1,684 women whose racial/ethnic group was not available.

NOTE.—Because of rounding, details may not add up to 100.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1996.)

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Table 12.—Master's degrees conferred by institutions of higher education, by racial/ethnic group and sex of student: Selected years, 1976–77 to 1993–94

Year and sex of student	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian/Alaskan Native	Nonresident alien
1	2	3	4	5	6	7	8
	Number of degrees conferred						
1976–77, total[1]	316,602	266,061	21,037	6,071	5,122	967	17,344
Men	167,396	139,210	7,781	3,268	3,123	521	13,493
Women	149,206	126,851	13,256	2,803	1,999	446	3,851
1978–79, total[2]	300,255	249,360	19,418	5,555	5,496	999	19,427
Men	152,837	124,058	7,070	2,786	3,325	495	14,903
Women	147,618	125,302	12,348	2,769	2,171	504	4,524
1980–81, total[3]	294,183	241,216	17,133	6,461	6,282	1,034	22,057
Men	145,666	115,562	6,158	3,085	3,773	501	16,587
Women	148,517	125,654	10,975	3,376	2,509	533	5,470
1984–85, total[4]	280,421	223,628	13,939	6,864	7,782	1,256	26,952
Men	139,417	106,059	5,200	3,059	4,842	583	19,674
Women	141,004	117,569	8,739	3,805	2,940	673	7,278
1986–87, total[5]	289,349	228,874	13,873	7,044	8,559	1,103	29,896
Men	141,269	105,572	5,153	3,331	5,239	518	21,456
Women	148,080	123,302	8,720	3,713	3,320	585	8,440
1988–89, total[5,6]	309,770	242,764	14,095	7,277	10,335	1,086	34,213
Men	148,872	109,715	5,175	3,325	6,048	476	24,133
Women	160,898	133,049	8,920	3,952	4,287	610	10,080
1989–90, total[5,7]	322,465	251,690	15,446	7,950	10,577	1,101	35,701
Men	152,926	112,877	5,539	3,586	6,002	463	24,459
Women	169,539	138,813	9,907	4,364	4,575	638	11,242
1990–91, total[5,8]	328,645	255,281	16,139	8,386	11,180	1,136	36,523
Men	151,796	111,224	5,709	3,670	6,319	459	24,415
Women	176,849	144,057	10,430	4,716	4,861	677	12,108
1991–92, total[5,9]	348,682	268,371	18,116	9,358	12,658	1,273	38,906
Men	159,543	116,096	6,054	4,132	7,062	523	25,676
Women	189,139	152,275	12,062	5,226	5,596	750	13,230
1992–93, total[5,10]	368,701	278,829	19,780	10,665	13,866	1,407	44,154
Men	168,754	120,225	6,821	4,735	7,544	586	28,843
Women	199,947	158,604	12,959	5,930	6,322	821	15,311
1993–94, total[5,11]	385,419	288,288	21,937	11,913	15,267	1,697	46,317
Men	175,355	123,854	7,413	5,113	8,225	691	30,059
Women	210,064	164,434	14,524	6,800	7,042	1,006	16,258
	Percentage distribution of degrees conferred						
1976–77, total[1]	100.0	84.0	6.6	1.9	1.6	0.3	5.5
Men	100.0	83.2	4.6	2.0	1.9	0.3	8.1
Women	100.0	85.0	8.9	1.9	1.3	0.3	2.6
1978–79, total[2]	100.0	83.0	6.5	1.9	1.8	0.3	6.5
Men	100.0	81.3	4.6	1.8	2.2	0.3	9.8
Women	100.0	84.9	8.4	1.9	1.5	0.3	3.1
1980–81, total[3]	100.0	82.0	5.8	2.2	2.1	0.4	7.5
Men	100.0	79.3	4.2	2.1	2.6	0.3	11.4
Women	100.0	84.6	7.4	2.3	1.7	0.4	3.7
1984–85, total[4]	100.0	79.7	5.0	2.4	2.8	0.4	9.6
Men	100.0	76.1	3.7	2.2	3.5	0.4	14.1
Women	100.0	83.4	6.2	2.7	2.1	0.5	5.2
1986–87, total[5]	100.0	79.1	4.8	2.4	3.0	0.4	10.3
Men	100.0	74.7	3.6	2.4	3.7	0.4	15.2
Women	100.0	83.3	5.9	2.5	2.2	0.4	5.7
1988–89, total[5,6]	100.0	78.4	4.6	2.3	3.3	0.4	11.0
Men	100.0	73.7	3.5	2.2	4.1	0.3	16.2
Women	100.0	82.7	5.5	2.5	2.7	0.4	6.3
1989–90, total[5,7]	100.0	78.1	4.8	2.5	3.3	0.3	11.1
Men	100.0	73.8	3.6	2.3	3.9	0.3	16.0
Women	100.0	81.9	5.8	2.6	2.7	0.4	6.6
1990–91, total[5,8]	100.0	77.7	4.9	2.6	3.4	0.3	11.1
Men	100.0	73.3	3.8	2.4	4.2	0.3	16.1
Women	100.0	81.5	5.9	2.7	2.7	0.4	6.8
1991–92, total[5,9]	100.0	77.0	5.2	2.7	3.6	0.4	11.2
Men	100.0	72.8	3.8	2.6	4.4	0.3	16.1
Women	100.0	80.5	6.4	2.8	3.0	0.4	7.0
1992–93, total[5,10]	100.0	75.6	5.4	2.9	3.8	0.4	12.0
Men	100.0	71.2	4.0	2.8	4.5	0.3	17.1
Women	100.0	79.3	6.5	3.0	3.2	0.4	7.7
1993–94, total[5,11]	100.0	74.8	5.7	3.1	4.0	0.4	12.0
Men	100.0	70.6	4.2	2.9	4.7	0.4	17.1
Women	100.0	78.3	6.9	3.2	3.4	0.5	7.7

[1] Excludes 387 men and 175 women whose racial/ethnic group was not available.
[2] Excludes 733 men and 91 women whose racial/ethnic group was not available.
[3] Excludes 1,377 men and 179 women whose racial/ethnic group was not available.
[4] Excludes 3,973 men and 1,867 women whose racial/ethnic group was not available.
[5] Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported.
[6] Excludes 482 men and 389 women whose racial/ethnic group was not available.
[7] Excludes 727 men and 1,109 women whose racial/ethnic group was not available.
[8] Excludes 4,686 men and 3,837 women whose racial/ethnic group was not available.
[9] Excludes 2,299 men and 1,857 women whose racial/ethnic group was not available.
[10] Excludes 504 men and 380 women whose racial/ethnic group was not available.
[11] Excludes 730 men and 921 women whose racial/ethnic group was not available.

NOTE.—Because of rounding, details may not add up to 100.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared February 1996.)

Table 13.—Doctor's degrees[1] conferred by institutions of higher education, by racial/ethnic group and sex of student: Selected years, 1976–77 to 1993–94

Year and sex of student	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian/Alaskan Native	Nonresident alien
1	2	3	4	5	6	7	8
	Number of degrees conferred						
1976–77, total[2]	33,126	26,851	1,253	522	658	95	3,747
Men	25,036	20,032	766	383	540	67	3,248
Women	8,090	6,819	487	139	118	28	499
1978–79, total[3]	32,675	26,138	1,268	439	811	104	3,915
Men	23,488	18,433	734	294	646	69	3,312
Women	9,187	7,705	534	145	165	35	603
1980–81, total[4]	32,839	25,908	1,265	456	877	130	4,203
Men	22,595	17,310	694	277	655	95	3,564
Women	10,244	8,598	571	179	222	35	639
1984–85, total[5]	32,307	23,934	1,154	677	1,106	119	5,317
Men	21,296	15,017	561	431	802	64	4,421
Women	11,011	8,917	593	246	304	55	896
1986–87, total[6]	34,041	24,434	1,057	751	1,098	105	6,596
Men	22,061	14,812	485	441	794	57	5,472
Women	11,980	9,622	572	310	304	48	1,124
1988–89, total[6,7]	35,659	24,884	1,066	629	1,323	85	7,672
Men	22,597	14,541	491	350	945	50	6,220
Women	13,062	10,343	575	279	378	35	1,452
1989–90, total[6,8]	36,113	25,880	1,153	788	1,235	99	8,958
Men	24,248	15,105	533	423	871	49	7,267
Women	13,865	10,775	620	365	364	50	1,691
1990–91, total[6,9]	36,547	25,328	1,211	732	1,459	102	9,715
Men	24,333	14,565	581	387	987	58	7,755
Women	14,214	10,763	630	345	472	44	1,960
1991–92, total[6,10]	40,090	25,813	1,223	811	1,559	118	10,566
Men	25,168	14,674	576	458	1,062	65	8,333
Women	14,922	11,139	647	353	497	53	2,233
1992–93, total[6,11]	42,021	26,700	1,352	827	1,582	106	11,454
Men	25,980	14,902	615	439	1,041	51	8,932
Women	16,041	11,798	737	388	541	55	2,522
1993–94, total[6,12]	43,149	27,156	1,393	903	2,025	134	11,538
Men	26,531	15,126	631	465	1,373	66	8,870
Women	16,618	12,030	762	438	652	68	2,668
	Percentage distribution of degrees conferred						
1976–77, total[2]	100.0	81.1	3.8	1.6	2.0	0.3	11.3
Men	100.0	80.0	3.1	1.5	2.2	0.3	13.0
Women	100.0	84.3	6.0	1.7	1.5	0.3	6.2
1978–79, total[3]	100.0	80.0	3.9	1.3	2.5	0.3	12.0
Men	100.0	78.5	3.1	1.3	2.8	0.3	14.1
Women	100.0	83.9	5.8	1.6	1.8	0.4	6.6
1980–81, total[4]	100.0	78.9	3.9	1.4	2.7	0.4	12.8
Men	100.0	76.6	3.1	1.2	2.9	0.4	15.8
Women	100.0	83.9	5.6	1.7	2.2	0.3	6.2
1984–85, total[5]	100.0	74.1	3.6	2.1	3.4	0.4	16.5
Men	100.0	70.5	2.6	2.0	3.8	0.3	20.8
Women	100.0	81.0	5.4	2.2	2.8	0.5	8.1
1986–87, total[6]	100.0	71.8	3.1	2.2	3.2	0.3	19.4
Men	100.0	67.1	2.2	2.0	3.6	0.3	24.8
Women	100.0	80.3	4.8	2.6	2.5	0.4	9.4
1988–89, total[6,7]	100.0	69.8	3.0	1.8	3.7	0.2	21.5
Men	100.0	64.3	2.2	1.5	4.2	0.2	27.5
Women	100.0	79.2	4.4	2.1	2.9	0.3	11.1
1989–90, total[6,8]	100.0	67.9	3.0	2.1	3.2	0.3	23.5
Men	100.0	62.3	2.2	1.7	3.6	0.2	30.0
Women	100.0	77.7	4.5	2.6	2.6	0.4	12.2
1990–91, total[6,9]	100.0	65.7	3.1	1.9	3.8	0.3	25.2
Men	100.0	59.9	2.4	1.6	4.1	0.2	31.9
Women	100.0	75.7	4.4	2.4	3.3	0.3	13.8
1991–92, total[6,10]	100.0	64.4	3.1	2.0	3.9	0.3	26.4
Men	100.0	58.3	2.3	1.8	4.2	0.3	33.1
Women	100.0	74.6	4.3	2.4	3.3	0.4	15.0
1992–93, total[6,11]	100.0	63.5	3.2	2.0	3.8	0.3	27.3
Men	100.0	57.4	2.4	1.7	4.0	0.2	34.4
Women	100.0	73.5	4.6	2.4	3.4	0.3	15.7
1993–94, total[6,12]	100.0	62.9	3.2	2.1	4.7	0.3	26.7
Men	100.0	57.0	2.4	1.8	5.2	0.2	33.4
Women	100.0	72.4	4.6	2.6	3.9	0.4	16.1

[1] Includes Ph.D., Ed.D. and comparable degrees at the doctoral level. Excludes first-professional degrees.
[2] Excludes 106 men whose racial/ethnic group was not available.
[3] Excludes 53 men and 2 women whose racial/ethnic group was not available.
[4] Excludes 116 men and 3 women whose racial/ethnic group was not available.
[5] Excludes 404 men and 232 women whose racial/ethnic group was not available.
[6] Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported.
[7] Excludes 51 men and 10 women whose racial/ethnic group was not available.
[8] Excludes 153 men and 105 women whose racial/ethnic group was not available.
[9] Excludes 423 men and 324 women whose racial/ethnic group was not available.
[10] Excludes 389 men and 180 women whose racial/ethnic group was not available.
[11] Excludes 93 men and 18 women whose racial/ethnic group was not available.
[12] Excludes 21 men and 15 women whose racial/ethnic group was not available.

NOTE.—Because of rounding, details may not add up to 100.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared February 1996.)

Table 14.—First-professional degrees conferred by institutions of higher education, by racial/ethnic group and sex of student: Selected years, 1976–77 to 1993–94

Year and sex of student	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian/Alaskan Native	Nonresident alien
1	2	3	4	5	6	7	8
	Number of degrees conferred						
1976–77, total [1]	63,953	58,422	2,537	1,076	1,021	196	701
Men	51,980	47,777	1,761	893	776	159	614
Women	11,973	10,645	776	183	245	37	87
1978–79, total [2]	68,611	62,430	2,836	1,283	1,205	216	641
Men	52,425	48,123	1,783	989	860	150	520
Women	16,186	14,307	1,053	294	345	66	121
1980–81, total [3]	71,340	64,551	2,931	1,541	1,456	192	669
Men	52,194	47,629	1,772	1,131	991	134	537
Women	19,146	16,922	1,159	410	465	58	132
1984–85, total [4]	71,057	63,219	3,029	1,884	1,816	248	861
Men	47,501	42,630	1,623	1,239	1,152	176	681
Women	23,556	20,589	1,406	645	664	72	180
1986–87, total	71,617	62,688	3,420	2,051	2,270	304	884
Men	46,523	41,149	1,835	1,303	1,420	183	633
Women	25,094	21,539	1,585	748	850	121	251
1988–89, total	70,856	61,214	3,148	2,269	2,976	264	985
Men	45,046	39,399	1,618	1,374	1,819	148	688
Women	25,810	21,815	1,530	895	1,157	116	297
1989–90, total [5]	70,744	60,240	3,410	2,427	3,362	257	1,048
Men	43,778	37,850	1,672	1,450	1,963	135	708
Women	26,966	22,390	1,738	977	1,399	122	340
1990–91, total [6]	71,515	60,327	3,575	2,527	3,755	261	1,070
Men	43,601	37,348	1,672	1,506	2,178	144	753
Women	27,914	22,979	1,903	1,021	1,577	117	317
1991–92, total [7]	72,129	59,800	3,560	2,766	4,455	296	1,252
Men	43,812	36,939	1,603	1,635	2,593	157	885
Women	28,317	22,861	1,957	1,131	1,862	139	367
1992–93, total [8]	74,960	60,830	4,100	2,984	5,160	368	1,518
Men	44,821	37,157	1,777	1,762	2,858	190	1,077
Women	30,139	23,673	2,323	1,222	2,302	178	441
1993–94, total	75,418	60,140	4,444	3,134	5,892	371	1,437
Men	44,707	36,573	1,902	1,781	3,214	222	1,015
Women	30,711	23,567	2,542	1,353	2,678	149	422
	Percentage distribution of degrees conferred						
1976–77, total [1]	100.0	91.4	4.0	1.7	1.6	0.3	1.1
Men	100.0	91.9	3.4	1.7	1.5	0.3	1.2
Women	100.0	88.9	6.5	1.5	2.0	0.3	0.7
1978–79, total [2]	100.0	91.0	4.1	1.9	1.8	0.3	0.9
Men	100.0	91.8	3.4	1.9	1.6	0.3	1.0
Women	100.0	88.4	6.5	1.8	2.1	0.4	0.7
1980–81, total [3]	100.0	90.5	4.1	2.2	2.0	0.3	0.9
Men	100.0	91.3	3.4	2.2	1.9	0.3	1.0
Women	100.0	88.4	6.1	2.1	2.4	0.3	0.7
1984–85, total [4]	100.0	89.0	4.3	2.7	2.6	0.3	1.2
Men	100.0	89.7	3.4	2.6	2.4	0.4	1.4
Women	100.0	87.4	6.0	2.7	2.8	0.3	0.8
1986–87, total	100.0	87.5	4.8	2.9	3.2	0.4	1.2
Men	100.0	88.4	3.9	2.8	3.1	0.4	1.4
Women	100.0	85.8	6.3	3.0	3.4	0.5	1.0
1988–89, total	100.0	86.4	4.4	3.2	4.2	0.4	1.4
Men	100.0	87.5	3.6	3.1	4.0	0.3	1.5
Women	100.0	84.5	5.9	3.5	4.5	0.4	1.2
1989–90, total [5]	100.0	85.2	4.8	3.4	4.8	0.4	1.5
Men	100.0	86.5	3.8	3.3	4.5	0.3	1.6
Women	100.0	83.0	6.4	3.6	5.2	0.5	1.3
1990–91, total [6]	100.0	84.4	5.0	3.5	5.3	0.4	1.5
Men	100.0	85.7	3.8	3.5	5.0	0.3	1.7
Women	100.0	82.3	6.8	3.7	5.6	0.4	1.1
1991–92, total [7]	100.0	82.9	4.9	3.8	6.2	0.4	1.7
Men	100.0	84.3	3.7	3.7	5.9	0.4	2.0
Women	100.0	80.7	6.9	4.0	6.6	0.5	1.3
1992–93, total [8]	100.0	81.1	5.5	4.0	6.9	0.5	2.0
Men	100.0	82.9	4.0	3.9	6.4	0.4	2.4
Women	100.0	78.5	7.7	4.1	7.6	0.6	1.5
1993–94, total	100.0	79.7	5.9	4.2	7.8	0.5	1.9
Men	100.0	81.8	4.3	4.0	7.2	0.5	2.3
Women	100.0	76.7	8.3	4.4	8.7	0.5	1.4

[1] Excludes 394 men and 12 women whose racial/ethnic group was not available.
[2] Excludes 227 men and 10 women whose racial/ethnic group was not available.
[3] Excludes 598 men and 18 women whose racial/ethnic group was not available.
[4] Excludes 2,954 men and 1,052 women whose racial/ethnic group was not available.
[5] Excludes 183 men and 61 women whose racial/ethnic group was not available.
[6] Excludes 245 men and 188 women whose racial/ethnic group was not available.
[7] Excludes 1,259 men and 758 women whose racial/ethnic group was not available.
[8] Excludes 332 men and 95 women whose racial/ethnic group was not available.

NOTE.—For years 1984–85 to 1993–94, reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported. Because of rounding, details may not add up to 100.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Degrees and Other Formal Awards Conferred" surveys, and Integrated Postsecondary Education Data System (IPEDS), "Completions" surveys. (This table was prepared November 1995.)

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Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**792,316**	**451,097**	**341,219**	**208,291**	**125,624**	**82,667**	**29,866**	**25,890**	**3,976**
Agriculture and natural resources, total	12,382	11,876	506	2,197	2,059	138	1,004	976	28
Agricultural business and production, total	5,913	5,745	168	1,087	996	71	469	462	7
Agricultural business and management, total	4,389	4,305	84	771	740	31	366	365	1
Agricultural business and management, general	1,384	1,339	45	69	67	2	0	0	0
Agricultural business/agribusiness operations	1,764	1,738	26	298	287	11	185	184	1
Agricultural economics	1,061	1,049	12	404	386	18	181	181	0
Agricultural business and management, other	180	179	1	0	0	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	650	595	55	162	135	27	73	68	5
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	874	845	29	134	121	13	30	29	1
Agricultural sciences, total	3,400	3,105	295	626	574	52	387	367	20
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	2,902	2,674	228	387	368	19	211	204	7
Animal sciences, general	2,540	2,320	220	301	285	16	159	153	6
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	270	262	8	48	45	3	32	31	1
Poultry science	92	92	0	38	38	0	20	20	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	322	264	58	153	122	31	99	88	11
Plant sciences, total	0	0	0	0	0	0	0	0	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	0	0	0	0	0	0	0	0	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	176	167	9	86	84	2	77	75	2
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	3,069	3,026	43	504	489	15	148	147	1
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	0	0	0	0	0	0	0	0	0
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	0	0	0	0	0	0	0	0	0
Forestry, general	2,177	2,160	17	327	316	11	97	97	0
Wildlife and wildlands management	892	866	26	177	173	4	51	50	1
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	4,105	3,888	217	1,427	1,260	167	35	33	2
Architecture	3,902	3,698	204	656	615	43	11	10	1
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	0	0	0	0	0	0	0	0	0
Interior architecture	0	0	0	0	0	0	0	0	0
Landscape architecture	0	0	0	0	0	0	0	0	0
Architectural urban design and planning	203	190	13	769	645	124	24	23	1
Architecture and related programs, other	0	0	0	0	0	0	0	0	0
Area, ethnic, and cultural studies, total	2,121	993	1,128	782	474	308	135	118	17
Area studies, total	2,121	993	1,128	782	474	308	135	118	17
African studies	0	0	0	0	0	0	0	0	0
American studies/civilization	1,195	496	699	231	124	107	49	41	8
Latin American studies	0	0	0	0	0	0	0	0	0
Middle Eastern studies	0	0	0	0	0	0	0	0	0
Russian and Slavic studies	0	0	0	0	0	0	0	0	0
Asian studies	0	0	0	0	0	0	0	0	0
European studies	0	0	0	0	0	0	0	0	0
Area studies, other	926	497	429	551	350	201	86	77	9
Ethnic and cultural studies, total	0	0	0	0	0	0	0	0	0
Afro-American (black) studies	0	0	0	0	0	0	0	0	0
Hispanic-American studies	0	0	0	0	0	0	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	0	0	0	0	0	0	0	0	0
Area, ethnic and cultural studies, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, total	34,034	23,919	10,115	5,800	3,975	1,825	3,289	2,820	469
Biology, general	24,371	16,848	7,523	2,578	1,750	828	471	377	94
Biochemistry and biophysics	486	359	127	268	190	78	535	459	76
Botany, total	596	412	184	527	395	132	368	334	34
Botany, general	565	381	184	374	264	110	223	196	27
Plant pathology	28	28	0	132	112	20	105	99	6
Botany, other	3	3	0	21	19	2	40	39	1
Cell and molecular biology, total	55	40	15	14	4	10	31	22	9
Cell biology	0	0	0	0	0	0	0	0	0

Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	55	40	15	14	4	10	31	22	9
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	1,411	741	670	469	273	196	359	282	77
Miscellaneous biological specializations, total	142	71	71	283	150	133	292	239	53
Anatomy	7	7	0	99	68	31	140	115	25
Ecology	50	34	16	10	6	4	10	10	0
Marine biology	0	0	0	0	0	0	0	0	0
Neurosciences	0	0	0	0	0	0	0	0	0
Nutritional sciences	47	11	36	104	36	68	47	34	13
Toxicology	0	0	0	0	0	0	0	0	0
Genetics, plant and animal	38	19	19	70	40	30	95	80	15
Biometrics and biostatistics	0	0	0	0	0	0	0	0	0
Miscellaneous biological specializations, other	0	0	0	0	0	0	0	0	0
Zoology, total	5,860	4,671	1,189	1,298	942	356	1,020	930	90
Zoology, general	5,543	4,393	1,150	729	497	232	412	370	42
Entomology	190	181	9	220	195	25	173	167	6
Pathology, human and animal	0	0	0	75	41	34	58	58	0
Pharmacology, human and animal	1	0	1	107	87	20	137	117	20
Physiology, human and animal	126	97	29	167	122	45	240	218	22
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,113	777	336	363	271	92	213	177	36
Business management and administrative services and marketing operations/marketing and distribution, total	105,580	96,346	9,234	21,561	20,792	769	620	610	10
Business management and administrative services, total	90,372	82,257	8,115	20,209	19,478	731	586	576	10
Business, general	51,644	47,714	3,930	13,762	13,308	454	356	351	5
Business administration and management, total	0	0	0	0	0	0	0	0	0
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	0	0	0	0	0	0	0	0	0
Accounting	21,183	19,343	1,840	1,083	1,004	79	56	53	3
Administrative and secretarial services	1,428	37	1,391	0	0	0	0	0	0
Business/managenal economics	0	0	0	0	0	0	0	0	0
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	5,843	5,677	166	1,499	1,456	43	38	37	1
Finance, general	5,843	5,677	166	1,499	1,456	43	38	37	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	0	0	0	0	0	0	0	0	0
Investments and securities	0	0	0	0	0	0	0	0	0
Hospitality services management	526	476	50	24	23	1	0	0	0
Human resources management, total	874	807	67	274	254	20	19	19	0
Human resources management	0	0	0	0	0	0	0	0	0
Labor/personnel relations and studies	0	0	0	0	0	0	0	0	0
Organizational behavior studies	874	807	67	274	254	20	19	19	0
International business	0	0	0	0	0	0	0	0	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	0	0	0	0	0	0	0	0	0
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	934	910	24	70	69	1	8	7	1
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	7,940	7,293	647	3,497	3,364	133	109	109	0
Marketing operations/marketing and distribution, total	15,208	14,089	1,119	1,352	1,314	38	34	34	0
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	15,208	14,089	1,119	1,352	1,314	38	34	34	0
Communications and communications technologies, total	11,158	8,680	2,478	992	687	305	27	27	0
Communications, total	11,158	8,680	2,478	992	687	305	27	27	0
Communications, general	0	0	0	0	0	0	0	0	0
Advertising	0	0	0	0	0	0	0	0	0
Journalism and mass communications, total	5,959	3,533	2,426	862	561	301	17	17	0
Journalism	5,959	3,533	2,426	862	561	301	17	17	0
Broadcast journalism	0	0	0	0	0	0	0	0	0
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	5,199	5,147	52	130	126	4	10	10	0
Communications technologies, total	0	0	0	0	0	0	0	0	0
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	0	0	0	0	0	0	0	0	0
Computer and information sciences, total	1,844	1,345	199	1,459	1,324	135	107	105	2

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Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	825	701	124	689	595	94	80	78	2
Computer programming	0	0	0	0	0	0	0	0	0
Data processing technology/technician	336	305	31	43	42	1	0	0	0
Information science and systems	0	0	0	0	0	0	0	0	0
Computer systems analysis	195	183	12	226	225	1	2	2	0
Computer and information sciences, other	188	156	32	501	462	39	25	25	0
Education, total	163,964	40,420	123,544	78,020	34,832	43,188	5,588	4,479	1,109
Education, general	0	0	0	10,479	4,784	5,695	1,358	1,071	287
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	263	15	248	1,878	725	1,153	405	303	102
Education administration and supervision, total	62	14	48	8,824	6,526	2,298	1,029	951	78
Education administration and supervision, general	10	6	4	8,590	6,456	2,134	1,014	938	76
Administration of special education	52	8	44	234	70	164	15	13	2
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	0	0	0	0	0	0	0	0	0
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	0	0	0	0	0	0	0	0	0
Educational evaluation and research, general	0	0	0	0	0	0	0	0	0
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	0	0	0	0	0	0	0	0	0
Special education, total	7,761	996	6,765	5,351	1,408	3,943	241	194	47
Special education, general	0	0	0	0	0	0	0	0	0
Education of the deaf and hearing impaired	241	16	225	217	40	177	2	1	1
Education of the gifted and talented	936	137	799	1,835	507	1,328	95	73	22
Education of the emotionally handicapped	264	44	220	300	76	224	6	5	1
Education of the mentally handicapped	2,370	328	2,042	1,256	374	882	23	20	3
Education of the multiple handicapped	48	9	39	46	1	45	1	1	0
Education of the physically handicapped	106	14	92	161	62	99	0	0	0
Education of the blind and visually handicapped	75	5	70	70	29	41	1	0	1
Education of the specific learning disabled	102	19	83	234	49	185	1	1	0
Education of the speech impaired	3,619	424	3,195	1,232	270	962	112	93	19
Special education, other	0	0	0	0	0	0	0	0	0
Counselor education/counseling and guidance services	15	8	7	10,866	5,393	5,473	532	411	121
General teacher education, total	93,542	9,014	84,528	22,579	6,569	16,010	746	580	166
Adult and continuing education	57	38	19	199	126	73	111	96	15
Elementary education	84,320	7,689	76,631	15,449	3,102	12,347	217	130	87
Junior high/intermediate and middle school education	0	0	0	0	0	0	0	0	0
Pre-elementary/early childhood/kindergarten education	5,938	71	5,867	649	29	620	13	3	10
Secondary education	2,743	1,103	1,640	5,435	2,891	2,544	193	173	20
General teacher education, other	484	113	371	847	421	426	212	178	34
Teacher education, academic and vocational programs, total	60,563	29,920	30,643	15,726	8,267	7,459	846	629	217
Agricultural education (vocational)	1,457	1,444	13	474	459	15	49	48	1
Art education	5,474	1,497	3,977	1,046	405	641	40	28	12
Business education (vocational)	8,484	2,255	6,229	1,768	693	1,075	65	44	21
Driver and safety education	0	0	0	0	0	0	0	0	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	942	410	532	359	169	190	28	20	8
Home economics education (vocational)	6,055	3	6,052	712	7	705	15	0	15
Technology/industrial arts education	5,359	5,304	55	1,393	1,379	14	38	38	0
Marketing operations/marketing and distribution education	432	333	99	150	107	43	5	5	0
Mathematics education	0	0	0	0	0	0	0	0	0
Music education	7,335	3,178	4,157	1,606	838	768	90	81	9
Physical education and coaching	22,291	13,665	8,626	4,000	2,756	1,244	259	181	78
Reading education	0	0	0	0	0	0	0	0	0
Science education	0	0	0	0	0	0	0	0	0
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	1,374	1,328	46	474	427	47	67	62	5
Teacher education, academic and vocational programs, other	1,360	503	857	3,744	1,027	2,717	190	122	68
Teaching English as a second language/foreign language	0	0	0	0	0	0	0	0	0
Education, other	1,758	453	1,305	2,317	1,160	1,157	431	340	91
Engineering and engineering-related technologies, total	44,479	44,149	330	15,593	15,421	172	3,681	3,657	24
Engineering, total	44,479	44,149	330	15,593	15,421	172	3,681	3,657	24
Engineering, general	1,821	1,801	20	524	519	5	145	145	0
Aerospace, aeronautical, and astronautical engineering	2,756	2,736	20	749	746	3	211	209	2
Agricultural engineering	521	518	3	141	141	0	57	57	0
Architectural engineering	224	221	3	26	26	0	0	0	0
Bioengineering and biomedical engineering	0	0	0	0	0	0	0	0	0

Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	202	197	5	31	30	1	24	23	1
Chemical engineering	3,694	3,641	53	1,045	1,028	17	438	434	4
Civil engineering, general	6,410	6,367	43	2,241	2,222	19	411	409	2
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	12,225	12,157	68	4,138	4,109	29	882	879	3
Engineering mechanics	0	0	0	0	0	0	0	0	0
Engineering physics	1,124	1,102	22	713	690	23	305	303	2
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	52	49	3	235	224	11	42	41	1
Geological engineering	153	149	4	20	20	0	10	10	0
Geophysical engineering	0	0	0	0	0	0	0	0	0
Industrial/manufacturing engineering	3,172	3,151	21	1,763	1,746	17	126	123	3
Materials engineering	0	0	0	0	0	0	0	0	0
Mechanical engineering	9,247	9,208	39	2,297	2,285	12	435	435	0
Metallurgical engineering	748	743	5	370	365	5	224	223	1
Mining and mineral engineering	170	170	0	87	86	1	39	37	2
Naval architecture and marine engineering	310	310	0	96	94	2	11	11	0
Nuclear engineering	225	221	4	342	338	4	139	138	1
Ocean engineering	0	0	0	0	0	0	0	0	0
Petroleum engineering	275	275	0	82	81	1	17	16	1
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	0	0	0	0	0	0	0	0	0
Engineering, other	1,150	1,133	17	693	671	22	165	164	1
Engineering-related technologies, total	0	0	0	0	0	0	0	0	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	0	0	0	0	0	0	0	0	0
English language and literature/letters, total	56,410	18,650	37,760	8,517	3,326	5,191	1,213	837	376
English language and literature, general	56,400	18,644	37,756	8,480	3,309	5,171	1,205	832	373
Comparative literature	0	0	0	0	0	0	0	0	0
English composition	0	0	0	0	0	0	0	0	0
English creative writing	0	0	0	0	0	0	0	0	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	0	0	0	0	0	0	0	0	0
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	10	6	4	37	17	20	8	5	3
Foreign languages and literatures, total	21,109	5,613	15,496	5,137	1,917	3,220	869	579	290
Foreign languages and literatures, total	450	176	274	396	185	211	112	87	25
Foreign languages and literatures, general	236	94	142	62	23	39	3	1	2
Linguistics	214	82	132	334	162	172	109	86	23
East and southeast asian languages and literatures, total	151	60	91	50	25	25	1	1	0
Chinese	81	40	41	34	17	17	0	0	0
Japanese	70	20	50	16	8	8	1	1	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	852	363	489	252	112	140	47	28	19
Russian	768	324	444	172	73	99	24	15	9
Slavic languages (other than Russian)	84	39	45	80	39	41	23	13	10
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,748	1,008	1,740	720	281	439	135	94	41
German	2,652	970	1,682	669	261	408	118	83	35
Scandinavian languages	0	0	0	0	0	0	0	0	0
Germanic languages, other	96	38	58	51	20	31	17	11	6
South asian languages and literatures	0	0	0	0	0	0	0	0	0
Romance languages and literatures, total	15,212	3,248	11,964	3,021	993	2,028	389	230	159
French	7,624	1,309	6,315	1,409	373	1,036	181	98	83
Italian	242	87	155	71	31	40	14	11	3
Portuguese	35	21	14	12	6	6	5	5	0
Spanish	7,226	1,810	5,416	1,372	531	841	139	86	53
Romance languages, other	85	21	64	157	52	105	50	30	20
Middle eastern languages and literatures, total	258	148	110	49	42	7	15	15	0
Arabic	0	0	0	0	0	0	0	0	0
Hebrew	258	148	110	49	42	7	15	15	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

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Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	1,004	485	519	289	141	148	88	64	24
Classics and classical languages	0	0	0	0	0	0	0	0	0
Greek (ancient and medieval)	1,004	485	519	289	141	148	88	64	24
Latin (ancient and medieval)	0	0	0	0	0	0	0	0	0
Foreign languages and literatures, other	434	125	309	360	138	222	82	60	22
Health professions and related sciences, total	25,029	7,864	17,165	4,488	2,153	2,335	357	299	58
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	0	0	0	0	0	0	0	0	0
Community health liason	58	28	30	1,201	765	436	90	70	20
Dentistry specialties	0	0	0	418	382	36	5	4	1
Dental services	483	3	480	16	0	16	0	0	0
Health and medical administrative services, total	32	26	6	454	396	58	7	7	0
Health care and services administration	32	26	6	454	396	58	7	7	0
Medical records administration	0	0	0	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	3,161	396	2,765	24	11	13	0	0	0
Medical technology	3,161	396	2,765	24	11	13	0	0	0
Health and medical laboratory technologies/technicians, other	0	0	0	0	0	0	0	0	0
Health and medical preparatory programs, total	2,997	2,741	256	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Health and medical preparatory programs, other	2,997	2,741	256	0	0	0	0	0	0
Medicine	0	0	0	109	89	20	35	32	3
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	0	0	0	0	0	0	0	0	0
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	0	0	0	0	0	0	0	0	0
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	11,216	158	11,058	1,539	18	1,521	11	1	10
Optometry	358	344	14	0	0	0	0	0	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	4,502	3,681	821	229	191	38	79	68	11
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	1,666	191	1,475	85	19	66	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	600	25	575	36	2	34	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	1,066	166	900	49	17	32	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	86	81	5	59	59	0
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	556	296	260	327	201	126	71	58	13
Home economics and vocational home economics, total	10,217	290	9,927	1,297	75	1,222	116	33	83
Home economics, total	9,897	169	9,728	1,259	69	1,190	116	33	83
Home economics, general	5,047	40	5,007	530	11	519	24	0	24
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	1,702	43	1,659	270	35	235	37	20	17
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	871	28	843	210	14	196	30	8	22
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	1,317	5	1,312	138	2	136	13	2	11
Home economics, other	960	53	907	111	7	104	12	3	9
Vocational home economics, total	320	121	199	38	6	32	0	0	0
Consumer and homemaking education	0	0	0	0	0	0	0	0	0
Custodial, housekeeping and home services workers and managers	320	121	199	38	6	32	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	555	529	26	884	846	38	35	32	3
Law, general	555	529	26	884	846	38	35	32	3
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	0	0	0	0	0	0	0	0	0

Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, and humanities, total	11,183	7,618	3,565	2,187	1,374	813	140	119	21
Liberal arts and sciences, general studies, total	11,183	7,618	3,565	2,187	1,374	813	140	119	21
Liberal arts and sciences/liberal studies	11,183	7,618	3,565	2,187	1,374	813	140	119	21
Humanities/humanistic studies	0	0	0	0	0	0	0	0	0
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	1,203	90	1,113	6,511	1,104	5,407	40	24	16
Library science/librarianship	1,054	86	968	6,511	1,104	5,407	40	24	16
Library science, other	149	4	145	0	0	0	0	0	0
Mathematics, total	27,442	17,177	10,265	5,636	3,966	1,670	1,236	1,140	96
Mathematics	27,135	16,928	10,207	5,145	3,558	1,587	1,052	974	78
Applied mathematics, total	0	0	0	0	0	0	0	0	0
Applied mathematics, general	0	0	0	0	0	0	0	0	0
Operations research	0	0	0	0	0	0	0	0	0
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	307	249	58	491	408	83	184	166	18
Mathematics, other	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, total	0	0	0	0	0	0	0	0	0
Biological and physical sciences	0	0	0	0	0	0	0	0	0
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure, and fitness studies total	1,416	892	524	282	193	89	12	10	2
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	1,416	892	524	282	193	89	12	10	2
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	7,530	5,809	1,721	1,055	839	216	483	432	51
Philosophy	5,698	4,614	1,084	725	605	120	359	315	44
Religion/religious studies	1,832	1,195	637	330	234	96	124	117	7
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	21,439	18,522	2,917	5,935	5,093	842	4,312	4,077	235
Physical sciences, total	21,439	18,522	2,917	5,935	5,093	842	4,312	4,077	235
Physical sciences, general	788	652	136	193	139	54	7	7	0
Astronomy	139	120	19	92	83	9	84	77	7
Astrophysics	0	0	0	0	0	0	0	0	0
Atmospheric science and meteorology	0	0	0	0	0	0	0	0	0
Chemistry, total	11,519	9,453	2,066	2,138	1,662	476	2,207	2,039	168
Chemistry, general	11,519	9,453	2,066	2,111	1,638	473	2,166	2,000	166
Analytical chemistry	0	0	0	0	0	0	0	0	0
Inorganic chemistry	0	0	0	0	0	0	0	0	0
Organic chemistry	0	0	0	0	0	0	0	0	0
Medicinal/pharmaceutical chemistry	0	0	0	27	24	3	41	39	2
Chemistry, other	0	0	0	0	0	0	0	0	0
Geological and related sciences, total	2,285	2,039	246	610	543	67	283	274	9
Geology	2,254	2,010	244	567	500	67	249	242	7
Geochemistry	0	0	0	0	0	0	0	0	0
Geophysics and seismology	31	29	2	43	43	0	34	32	2
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	860	764	96	408	353	55	167	161	6
Metallurgy	27	27	0	28	28	0	24	24	0
Oceanography	117	109	8	143	133	10	71	67	4
Earth science	535	461	74	188	150	38	38	36	2
Miscellaneous physical sciences, other	181	167	14	49	42	7	34	34	0
Physics, total	5,320	4,993	327	2,200	2,043	157	1,439	1,402	37
Physics, general	5,320	4,993	327	2,200	2,043	157	1,439	1,402	37
Physics, other	0	0	0	0	0	0	0	0	0
Physical sciences, other	528	501	27	294	270	24	125	117	8
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	0	0	0	0	0	0	0	0	0
Criminal justice, total	0	0	0	0	0	0	0	0	0
Corrections/correctional administration	0	0	0	0	0	0	0	0	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	33,678	19,077	14,602	5,158	2,975	2,183	1,962	1,505	457
Psychology, general	32,668	18,463	14,205	2,740	1,802	938	1,238	958	280
Clinical psychology	13	11	2	145	95	50	138	108	30
Counseling psychology	0	0	0	402	247	155	15	13	2
Developmental and child psychology	0	0	0	0	0	0	0	0	0
Experimental psychology	0	0	0	0	0	0	0	0	0

Table 15.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1969–70—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Industrial and organizational psychology	0	0	0	0	0	0	0	0	0
Physiological psychology	0	0	0	0	0	0	0	0	0
Social psychology	50	27	23	28	16	12	33	24	9
School psychology	143	81	62	1,205	496	709	342	242	100
Psychology, other	805	495	310	638	319	319	196	160	36
Public administration and services, total	4,414	1,247	3,167	6,755	3,183	3,572	131	97	34
Community organization, resources and services	0	0	0	0	0	0	0	0	0
Public administration	362	340	22	1,115	1,006	109	42	40	2
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	4,052	907	3,145	5,640	2,177	3,463	89	57	32
Public administration and services, other	0	0	0	0	0	0	0	0	0
R.O.T.C. and military technologies, total	1,618	1,618	0	0	0	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	0	0	0	0	0	0	0	0	0
Military technologies, total	1,618	1,618	0	0	0	0	0	0	0
Social sciences and history, total	149,270	95,704	53,566	15,877	11,391	4,486	3,457	3,013	444
Social sciences, general	20,715	11,249	9,466	2,092	1,359	733	48	41	7
Anthropology	3,711	1,661	2,050	664	369	295	215	157	58
Archeology	0	0	0	0	0	0	0	0	0
Criminology	0	0	0	0	0	0	0	0	0
Demography and population studies	0	0	0	0	0	0	0	0	0
Economics	17,197	15,342	1,855	1,988	1,742	246	794	742	52
Geography, total	3,727	2,934	793	637	524	113	145	140	5
Geography	3,727	2,934	793	637	524	113	145	140	5
Cartography	0	0	0	0	0	0	0	0	0
History	43,386	28,418	14,968	5,049	3,397	1,652	1,038	901	137
International relations and affairs	1,335	964	371	871	721	150	85	79	6
Political science and government, general	25,713	20,587	5,126	2,105	1,663	442	525	469	56
Sociology	30,436	12,362	18,074	1,813	1,138	675	534	430	104
Urban affairs/studies	0	0	0	0	0	0	0	0	0
Social sciences and history, other	3,050	2,187	863	658	478	180	73	54	19
Theological studies and religious vocations, total	3,827	2,732	1,095	2,854	2,169	685	281	274	7
Biblical and other theological languages and literatures	0	0	0	0	0	0	0	0	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	2,914	2,029	885	1,155	721	434	43	41	2
Religious/sacred music	0	0	0	0	0	0	0	0	0
Theology and theological studies	719	577	142	1,460	1,264	196	200	197	3
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	194	126	68	239	184	55	38	36	2
Transportation and material moving workers, total	707	702	5	38	38	0	2	2	0
Water transportation workers	233	233	0	0	0	0	0	0	0
Transportation and material moving, other	474	469	5	38	38	0	2	2	0
Visual and performing arts, total	35,901	15,347	20,554	7,849	4,158	3,691	734	592	142
Visual and performing arts, general	0	0	0	0	0	0	0	0	0
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	0	0	0	0	0	0	0	0	0
Design and applied art	0	0	0	0	0	0	0	0	0
Dramatic/theater arts and stagecraft	10,363	4,604	5,759	2,546	1,194	1,352	301	256	45
Film/video and photographic arts, total	0	0	0	0	0	0	0	0	0
Film-video making/cinematography and production	0	0	0	0	0	0	0	0	0
Photography	0	0	0	0	0	0	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	10,572	3,587	6,985	1,523	867	656	18	12	6
Art, general	10,572	3,587	6,985	1,523	867	656	18	12	6
Art history,criticism and conservation	0	0	0	0	0	0	0	0	0
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	5,431	2,422	3,009	2,130	1,128	1,002	278	237	41
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	0	0	0	0	0	0	0	0	0
Music, general performance	0	0	0	0	0	0	0	0	0
Music theory and composition	0	0	0	0	0	0	0	0	0
Music, other	5,431	2,422	3,009	2,130	1,128	1,002	278	237	41
Visual and performing arts, other	9,535	4,734	4,801	1,650	969	681	137	87	50

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1969–70" survey. (This table was prepared September, 1993.)

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Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**839,730**	**475,594**	**364,136**	**230,509**	**138,146**	**92,363**	**32,107**	**27,530**	**4,577**
Agriculture and natural resources, total	12,672	12,136	536	2,457	2,313	144	1,086	1,055	31
Agricultural business and production, total	5,881	5,701	180	1,173	1,116	57	502	491	11
Agricultural business and management, total	4,585	4,497	88	838	813	25	381	374	7
Agricultural business and management, general	1,491	1,445	46	123	122	1	0	0	0
Agricultural business/agribusiness operations	1,706	1,677	29	298	288	10	169	165	4
Agricultural economics	1,175	1,165	10	417	403	14	212	209	3
Agricultural business and management, other	213	210	3	0	0	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	585	523	62	171	156	15	79	75	3
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	711	681	30	164	147	17	43	42	1
Agricultural sciences, total	3,451	3,165	286	750	681	69	425	406	19
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	2,770	2,538	232	448	415	33	202	197	5
Animal sciences, general	2,445	2,222	223	344	318	26	145	140	5
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	245	237	8	54	52	2	30	30	0
Poultry science	80	79	1	50	45	5	27	27	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	333	286	47	188	155	33	119	110	9
Plant sciences, total	136	134	2	27	27	0	15	15	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	136	134	2	27	27	0	15	15	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	212	207	5	87	84	3	89	84	5
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	3,340	3,270	70	534	516	18	159	158	1
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	424	396	28	76	74	2	16	16	0
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	154	154	0	16	16	0	8	8	0
Forestry, general	1,826	1,804	22	291	282	9	92	92	0
Wildlife and wildlands management	936	916	20	151	144	7	43	42	1
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	5,570	4,906	664	1,705	1,469	236	36	33	3
Architecture	3,459	3,284	175	625	578	47	6	6	0
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	568	404	164	58	42	16	2	0	2
Interior architecture	314	82	232	6	2	4	0	0	0
Landscape architecture	505	474	31	107	99	8	1	1	0
Architectural urban design and planning	229	204	25	870	712	158	26	25	1
Architecture and related programs, other	495	458	37	39	36	3	1	1	0
Area, ethnic, and cultural studies, total	2,582	1,229	1,353	1,032	637	395	144	120	24
Area studies, total	2,237	1,040	1,197	722	413	309	93	73	20
African studies	13	5	8	67	40	27	2	2	0
American studies/civilization	1,466	630	836	231	106	125	67	49	18
Latin American studies	280	148	132	148	78	70	3	3	0
Middle Eastern studies	4	2	2	8	6	2	0	0	0
Russian and Slavic studies	136	73	63	49	29	20	4	4	0
Asian studies	240	122	118	213	150	63	17	15	2
European studies	97	59	38	6	4	2	0	0	0
Area studies, other	1	1	0	0	0	0	0	0	0
Ethnic and cultural studies, total	90	55	35	25	19	6	0	0	0
Afro-American (black) studies	80	47	33	17	13	4	0	0	0
Hispanic-American studies	8	7	1	7	6	1	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	2	1	1	1	0	1	0	0	0
Area, ethnic and cultural studies, other	255	134	121	285	205	80	51	47	4
Biological sciences/life sciences, total	35,743	25,333	10,410	5,728	3,805	1,923	3,645	3,050	595
Biology, general	26,294	18,253	8,041	2,665	1,746	919	536	405	131
Biochemistry and biophysics	621	464	157	290	183	107	618	523	95
Botany, total	568	368	200	439	300	129	365	329	36
Botany, general	546	349	197	311	212	99	223	195	28
Plant pathology	15	13	2	90	69	21	105	100	5
Botany, other	7	6	1	28	19	9	37	34	3
Cell and molecular biology, total	95	66	29	12	5	7	48	35	13
Cell biology	29	17	12	6	1	5	16	10	6

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Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	66	49	17	6	4	2	32	25	7
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	1,475	806	669	456	271	185	365	298	67
Miscellaneous biological specializations, total	267	188	79	449	259	190	399	336	63
Anatomy	5	4	1	112	73	39	149	126	23
Ecology	96	78	18	21	16	5	17	15	2
Marine biology	52	50	2	45	40	5	12	12	0
Neurosciences	22	16	6	2	2	0	8	7	1
Nutritional sciences	38	14	24	103	23	80	42	32	10
Toxicology	0	0	0	9	4	5	5	4	1
Genetics, plant and animal	46	22	24	88	51	37	128	109	19
Biometrics and biostatistics	8	4	4	44	31	13	24	20	4
Miscellaneous biological specializations, other	0	0	0	25	19	6	14	11	3
Zoology, total	5,722	4,607	1,115	1,167	840	327	1,107	955	152
Zoology, general	5,380	4,314	1,066	691	451	240	418	346	72
Entomology	164	147	17	188	161	27	215	202	13
Pathology, human and animal	0	0	0	65	54	11	68	62	6
Pharmacology, human and animal	1	1	0	75	58	17	161	141	20
Physiology, human and animal	177	145	32	148	116	32	245	204	41
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	701	581	120	260	201	59	207	169	38
Business management and administrative services and marketing operations/marketing and distribution, total	114,729	104,275	10,454	25,977	24,967	1,010	757	736	21
Business management and administrative services, total	98,744	89,579	9,165	24,594	23,642	952	732	711	21
Business, general	30,187	27,208	2,979	8,693	8,316	377	190	188	2
Business administration and management, total	28,028	26,096	1,932	9,571	9,253	318	306	296	10
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	28,028	26,096	1,932	9,571	9,253	318	306	296	10
Accounting	22,099	20,036	2,063	1,097	994	103	61	58	3
Administrative and secretarial services	1,323	34	1,289	0	0	0	0	0	0
Business/managerial economics	2,179	2,051	128	242	225	17	66	62	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	6,583	6,395	188	1,846	1,803	43	28	28	0
Finance, general	5,922	5,757	165	1,781	1,741	40	23	23	0
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	478	464	14	18	18	0	3	3	0
Investments and securities	183	174	9	47	44	3	2	2	0
Hospitality services management	616	568	48	18	17	1	0	0	0
Human resources management, total	2,353	2,210	143	596	572	24	28	27	1
Human resources management	1,205	1,116	89	296	288	8	3	3	0
Labor/personnel relations and studies	1,148	1,094	54	300	284	16	25	24	1
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	220	202	18	245	235	10	6	6	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	198	171	27	104	97	7	7	7	0
Business statistics	198	171	27	104	97	7	7	7	0
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	420	404	16	40	40	0	3	3	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	4,538	4,204	334	2,142	2,090	52	37	36	1
Marketing operations/marketing and distribution, total	15,985	14,696	1,289	1,383	1,325	58	25	25	0
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	15,985	14,696	1,289	1,383	1,325	58	25	25	0
Communications and communications technologies, total	10,802	6,989	3,813	1,856	1,214	642	145	126	19
Communications, total	10,324	6,659	3,665	1,770	1,158	612	145	126	19
Communications, general	1,734	1,068	666	518	314	204	93	78	15
Advertising	1,194	882	312	94	73	21	0	0	0
Journalism and mass communications, total	7,043	4,444	2,599	1,048	701	347	20	18	2
Journalism	5,144	2,883	2,261	853	558	295	15	13	2
Broadcast journalism	1,899	1,561	338	195	143	52	5	5	0
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	353	265	88	110	70	40	32	30	2
Communications technologies, total	478	330	148	86	56	30	0	0	0
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	478	330	148	86	56	30	0	0	0
Computer and information sciences, total	2,388	2,064	324	1,588	1,424	164	128	125	3

Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	1,624	1,388	236	1,131	988	143	110	107	3
Computer programming	32	32	0	5	5	0	0	0	0
Data processing technology/technician	409	360	49	171	166	5	0	0	0
Information science and systems	177	146	31	143	130	13	11	11	0
Computer systems analysis	88	87	1	88	86	2	6	6	0
Computer and information sciences, other	58	51	7	50	49	1	1	1	0
Education, total	176,307	44,896	131,411	87,666	38,365	49,301	6,041	4,771	1,270
Education, general	2,026	383	1,643	12,867	5,458	7,409	1,598	1,272	326
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	296	81	215	2,261	887	1,374	458	341	117
Education administration and supervision, total	12	7	5	21,850	13,089	8,761	1,593	1,383	210
Education administration and supervision, general	5	4	1	8,409	6,460	1,949	1,028	937	91
Administration of special education	0	0	0	106	40	66	9	6	3
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	7	3	4	13,335	6,589	6,746	556	440	116
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	3	0	3	283	140	143	88	69	19
Educational evaluation and research, general	3	0	3	61	34	27	58	45	13
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	222	106	116	30	24	6
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	180	110	70	534	304	230	129	98	31
Special education, total	8,360	1,106	7,254	5,962	1,531	4,431	198	137	61
Special education, general	2,320	341	1,979	3,051	845	2,206	114	77	37
Education of the deaf and hearing impaired	239	11	228	208	40	168	4	2	2
Education of the gifted and talented	12	1	11	28	7	21	0	0	0
Education of the emotionally handicapped	347	56	291	378	91	287	14	9	5
Education of the mentally handicapped	2,640	375	2,265	935	267	668	18	13	5
Education of the multiple handicapped	63	4	59	50	12	38	0	0	0
Education of the physically handicapped	149	17	132	150	32	118	0	0	0
Education of the blind and visually handicapped	78	4	74	97	25	72	2	1	1
Education of the specific learning disabled	125	9	116	179	37	142	2	2	0
Education of the speech impaired	2,358	284	2,074	572	78	494	40	30	10
Special education, other	29	4	25	314	97	217	4	3	1
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	98,126	9,940	88,186	23,797	6,502	17,295	767	562	205
Adult and continuing education	12	7	5	239	141	98	45	35	10
Elementary education	90,432	8,090	82,342	17,070	3,123	13,947	219	116	103
Junior high/intermediate and middle school education	721	260	461	134	67	67	2	1	1
Pre-elementary/early childhood/kindergarten education	3,405	47	3,358	533	34	499	9	2	7
Secondary education	3,549	1,529	2,020	5,422	2,937	2,485	212	170	42
General teacher education, other	7	7	0	399	200	199	280	238	42
Teacher education, academic and vocational programs, total	66,066	33,026	33,040	17,604	9,097	8,507	986	731	255
Agricultural education (vocational)	1,398	1,384	14	447	426	21	43	42	1
Art education	5,661	1,598	4,063	998	334	664	53	37	16
Business education (vocational)	8,550	2,627	5,923	1,924	777	1,147	82	56	26
Driver and safety education	132	99	33	171	146	25	2	1	1
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	1,089	447	642	405	199	206	51	43	8
Home economics education (vocational)	6,449	94	6,355	802	77	725	28	1	27
Technology/industrial arts education	7,071	6,965	106	2,099	1,988	111	106	100	6
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	2,217	1,078	1,139	782	429	353	49	34	15
Music education	7,264	3,064	4,200	1,564	837	727	109	95	14
Physical education and coaching	24,732	15,177	9,555	4,410	3,032	1,378	283	214	69
Reading education	9	1	8	2,789	299	2,490	61	31	30
Science education	891	479	412	883	540	343	91	76	15
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	603	13	590	330	13	317	28	1	27
Teaching English as a second language/foreign language	43	5	38	236	78	158	5	2	3
Education, other	1,195	238	957	2,272	1,279	993	219	176	43
Engineering and engineering-related technologies, total	50,046	49,646	400	16,443	16,258	185	3,638	3,615	23
Engineering, total	44,898	44,540	358	16,309	16,124	185	3,637	3,614	23
Engineering, general	2,864	2,829	35	813	804	9	219	216	3
Aerospace, aeronautical, and astronautical engineering	2,443	2,426	17	717	711	6	217	214	3
Agricultural engineering	504	503	1	135	134	1	55	55	0
Architectural engineering	272	268	4	31	29	2	3	3	0
Bioengineering and biomedical engineering	68	67	1	73	72	1	29	29	0

Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	178	174	4	39	39	0	25	25	0
Chemical engineering	3,579	3,516	63	1,100	1,074	26	406	404	2
Civil engineering, general	6,526	6,474	52	2,425	2,397	28	446	443	3
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	12,198	12,122	76	4,282	4,252	30	879	876	3
Engineering mechanics	260	258	2	264	262	2	148	147	1
Engineering physics	373	368	5	65	63	2	26	25	1
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	54	52	2	238	224	14	49	49	0
Geological engineering	123	122	1	39	39	0	9	9	0
Geophysical engineering	26	26	0	7	7	0	1	1	0
Industrial/manufacturing engineering	3,171	3,152	19	1,921	1,898	23	139	136	3
Materials engineering	76	73	3	124	118	6	78	77	1
Mechanical engineering	8,858	8,817	41	2,237	2,232	5	438	438	0
Metallurgical engineering	623	617	6	273	272	1	148	147	1
Mining and mineral engineering	158	157	1	66	66	0	43	43	0
Naval architecture and marine engineering	416	415	1	71	71	0	13	13	0
Nuclear engineering	250	246	4	329	327	2	120	120	0
Ocean engineering	64	64	0	52	52	0	1	1	0
Petroleum engineering	292	291	1	100	99	1	17	17	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	212	211	1	32	31	1	1	1	0
Engineering, other	1,310	1,292	18	876	851	25	127	125	2
Engineering-related technologies, total	5,148	5,106	42	134	134	0	1	1	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	5,148	5,106	42	134	134	0	1	1	0
English language and literature/letters, total	64,342	22,155	42,187	10,686	4,211	6,475	1,650	1,175	475
English language and literature, general	56,103	18,601	37,502	8,395	3,217	5,178	1,282	898	384
Comparative literature	428	150	278	245	85	160	96	68	28
English composition	0	0	0	0	0	0	0	0	0
English creative writing	154	72	82	185	132	53	6	6	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	6,970	2,983	3,987	1,715	700	1,015	235	180	55
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	687	349	338	146	77	69	31	23	8
Foreign languages and literatures, total	20,536	5,335	15,201	5,217	1,866	3,351	988	646	342
Foreign languages and literatures, total	857	302	555	796	344	452	272	180	92
Foreign languages and literatures, general	607	219	388	444	171	273	122	67	55
Linguistics	250	83	167	352	173	179	150	113	37
East and southeast asian languages and literatures, total	166	69	97	41	13	28	9	8	1
Chinese	89	43	46	22	10	12	8	8	0
Japanese	77	26	51	19	3	16	1	0	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	825	332	493	198	88	110	46	38	8
Russian	715	277	438	110	51	59	14	14	0
Slavic languages (other than Russian)	110	55	55	88	37	51	32	24	8
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,663	978	1,685	719	309	410	145	96	49
German	2,601	962	1,639	690	296	394	144	95	49
Scandinavian languages	62	16	46	29	13	16	1	1	0
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	1	1	0	0	0	0	3	3	0
Romance languages and literatures, total	14,575	3,002	11,573	2,980	888	2,092	370	206	164
French	7,306	1,140	6,166	1,437	331	1,106	192	103	89
Italian	201	55	146	87	28	59	10	5	5
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	7,068	1,807	5,261	1,456	529	927	168	98	70
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	218	133	85	25	23	2	8	7	1
Arabic	15	4	11	6	6	0	4	3	1
Hebrew	203	129	74	19	17	2	4	4	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

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Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	908	408	500	263	110	153	80	65	15
Classics and classical languages	341	177	164	110	51	59	57	49	8
Greek (ancient and medieval)	104	65	39	21	10	11	18	11	7
Latin (ancient and medieval)	463	166	297	132	49	83	5	5	0
Foreign languages and literatures, other	323	110	213	195	91	104	55	43	12
Health professions and related sciences, total	25,226	5,788	19,438	5,749	2,567	3,182	466	389	77
Chiropractic	2	2	0	0	0	0	0	0	0
Communication disorders sciences and services	1,427	176	1,251	823	152	671	70	48	22
Community health liason	127	91	36	1,244	772	472	85	66	19
Dentistry specialties	5	5	0	450	428	22	14	14	0
Dental services	593	64	529	24	0	24	0	0	0
Health and medical administrative services, total	208	63	145	496	436	60	14	14	0
Health care and services administration	60	56	4	496	436	60	14	14	0
Medical records administration	148	7	141	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	3,145	415	2,730	77	36	41	14	13	1
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	3,145	415	2,730	77	36	41	14	13	1
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	11	11	0	129	106	23	43	29	14
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	36	24	12	304	166	138	7	5	2
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	36	24	12	304	166	138	7	5	2
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	12,199	253	11,946	1,530	31	1,499	7	1	6
Optometry	351	339	12	12	10	2	2	2	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	4,549	3,636	913	194	154	40	94	93	1
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	1,915	283	1,632	124	25	99	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	663	26	637	51	6	45	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	1,252	257	995	73	19	54	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	2	2	0	89	83	6	46	45	1
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	656	424	232	253	168	85	70	59	11
Home economics and vocational home economics, total	11,167	301	10,866	1,452	88	1,364	123	48	75
Home economics, total	10,593	160	10,433	1,362	80	1,282	116	47	69
Home economics, general	5,439	49	5,390	648	21	627	18	0	18
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	1,667	41	1,626	296	45	251	55	34	21
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	981	19	962	231	10	221	33	13	20
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	1,521	13	1,508	123	2	121	8	0	8
Home economics, other	985	38	947	64	2	62	2	0	2
Vocational home economics, total	574	141	433	90	8	82	7	1	6
Consumer and homemaking education	232	13	219	58	2	56	5	1	4
Custodial, housekeeping and home services workers and managers	342	128	214	32	6	26	2	0	2
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	545	518	27	955	909	46	20	20	0
Law, general	536	509	27	922	880	42	20	20	0
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	9	9	0	33	29	4	0	0	0
Liberal arts and sciences, general studies, and humanities, total	7,481	4,971	2,510	885	490	395	32	22	10

Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	7,481	4971	2510	885	490	395	32	22	10
Liberal arts and sciences/liberal studies	5,461	3,880	1,581	549	306	243	11	8	3
Humanities/humanistic studies	2,020	1,091	929	336	184	152	21	14	7
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	1,013	81	932	7,001	1,311	5,690	39	28	11
Library science/librarianship	978	80	898	6,959	1,296	5,663	35	26	9
Library science, other	35	1	34	42	15	27	4	2	2
Mathematics, total	24,937	15,498	9,439	5,695	4,149	1,546	1,249	1,154	95
Mathematics	24,253	14,951	9,302	4,499	3,132	1,367	971	890	81
Applied mathematics, total	384	330	54	636	591	45	93	91	2
Applied mathematics, general	248	201	47	132	115	17	43	43	0
Operations research	136	129	7	504	476	28	50	48	2
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	214	160	54	495	396	99	185	173	12
Mathematics, other	86	57	29	65	30	35	0	0	0
Multi/interdisciplinary studies, total	6,286	4,853	1,433	821	616	205	59	55	4
Biological and physical sciences	3,897	3,193	704	524	407	117	15	14	1
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	2,389	1,660	729	297	209	88	44	41	3
Parks, recreation, leisure, and fitness studies total	1,621	1,058	563	218	153	65	2	1	1
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	1,621	1,058	563	218	153	65	2	1	1
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	8,148	6,128	2,020	1,326	894	432	554	510	44
Philosophy	5,785	4,620	1,165	598	449	149	394	358	36
Religion/religious studies	2,361	1,508	855	728	445	283	160	152	8
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	21,412	18,459	2,953	6,367	5,521	846	4,390	4,144	246
Physical sciences, total	21,412	18,459	2,953	6,367	5,521	846	4,390	4,144	246
Physical sciences, general	985	839	146	297	240	57	29	28	1
Astronomy	102	94	8	100	88	12	76	69	7
Astrophysics	34	33	1	8	6	2	24	23	1
Atmospheric science and meteorology	249	245	4	153	149	4	61	61	0
Chemistry, total	11,063	9,026	2,037	2,275	1,787	488	2,159	1,986	173
Chemistry, general	11,037	9,006	2,031	2,197	1,733	464	1,952	1,798	154
Analytical chemistry	0	0	0	2	2	0	11	11	0
Inorganic chemistry	14	10	4	5	4	1	26	21	5
Organic chemistry	9	7	2	26	14	12	58	53	5
Medicinal/pharmaceutical chemistry	2	2	0	31	26	5	66	62	4
Chemistry, other	1	1	0	14	8	6	46	41	5
Geological and related sciences, total	2,414	2,149	265	651	588	63	324	313	11
Geology	2,359	2,097	262	606	544	62	289	279	10
Geochemistry	7	6	1	5	5	0	4	3	1
Geophysics and seismology	48	46	2	40	39	1	31	31	0
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	961	846	115	482	432	50	116	112	4
Metallurgy	39	39	0	44	43	1	30	30	0
Oceanography	228	222	6	152	140	12	52	50	2
Earth science	667	559	108	262	227	35	25	24	1
Miscellaneous physical sciences, other	27	26	1	24	22	2	9	8	1
Physics, total	5,071	4,729	342	2,188	2,038	150	1,482	1,439	43
Physics, general	5,046	4,708	338	2,174	2,027	147	1,449	1,407	42
Physics, other	25	21	4	14	11	3	33	32	1
Physical sciences, other	533	498	35	213	193	20	119	113	6
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	2,045	1,856	189	194	174	20	1	1	0
Criminal justice, total	2,045	1,856	189	194	174	20	1	1	0
Corrections/correctional administration	2,045	1,856	189	194	174	20	1	1	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	38,187	21,227	16,960	5,717	3,395	2,322	2,144	1,629	515
Psychology, general	37,219	20,682	16,537	3,227	2,063	1,164	1,443	1,100	343
Clinical psychology	24	16	8	191	119	72	133	104	29
Counseling psychology	21	14	7	499	286	213	20	16	4
Developmental and child psychology	8	0	8	24	10	14	13	7	6
Experimental psychology	44	44	0	60	44	16	72	57	15
Industrial and organizational psychology	42	28	14	21	19	2	5	4	1

Table 16.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1970–71—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	20	14	6	4	4	0	4	2	2
Social psychology	78	33	45	37	25	12	51	33	18
School psychology	307	198	109	1,286	612	674	362	274	88
Psychology, other	424	198	226	368	213	155	41	32	9
Public administration and services, total	5,466	1,726	3,740	7,785	3,893	3,892	174	132	42
Community organization, resources and services	233	77	156	72	64	8	2	2	0
Public administration	425	372	53	1,406	1,255	151	36	33	3
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	4,608	1,139	3,469	6,019	2,415	3,604	126	87	39
Public administration and services, other	200	138	62	288	159	129	10	10	0
R.O.T.C. and military technologies, total	357	356	1	2	2	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	152	151	1	2	2	0	0	0	0
Military technologies, total	205	205	0	0	0	0	0	0	0
Social sciences and history, total	155,324	98,173	57,151	16,539	11,833	4,706	3,660	3,153	507
Social sciences, general	21,543	11,753	9,790	2,330	1,522	808	50	38	12
Anthropology	4,384	1,952	2,432	766	429	337	241	178	63
Archeology	72	34	38	29	11	18	8	4	4
Criminology	659	508	151	136	116	20	15	12	3
Demography and population studies	5	3	2	6	4	2	8	5	3
Economics	15,758	13,890	1,868	1,995	1,733	262	721	668	53
Geography, total	4,155	3,291	864	649	528	121	164	147	17
Geography	4,155	3,291	864	649	528	121	164	147	17
Cartography	0	0	0	0	0	0	0	0	0
History	44,663	29,055	15,608	5,157	3,470	1,687	991	871	120
International relations and affairs	1,300	933	367	846	714	132	67	59	8
Political science and government, general	27,482	21,966	5,516	2,318	1,839	479	700	615	85
Sociology	33,263	13,610	19,653	1,808	1,131	677	574	455	119
Urban affairs/studies	371	207	164	236	161	75	0	0	0
Social sciences and history, other	1,669	971	698	263	175	88	121	101	20
Theological studies and religious vocations, total	3,744	2,727	1,017	2,710	2,049	661	312	306	6
Biblical and other theological languages and literatures	24	23	1	18	10	8	0	0	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,365	722	643	937	551	386	34	31	3
Religious/sacred music	116	64	52	106	76	30	6	6	0
Theology and theological studies	1,891	1,644	247	1,342	1,204	138	249	246	3
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	348	274	74	307	208	99	23	23	0
Transportation and material moving workers, total	662	656	6	63	63	0	3	3	0
Water transportation workers	0	0	0	0	0	0	0	0	0
Transportation and material moving, other	662	656	6	63	63	0	3	3	0
Visual and performing arts, total	30,394	12,256	18,138	6,675	3,510	3,165	621	483	138
Visual and performing arts, general	3,595	1,272	2,323	556	268	288	28	21	7
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	297	23	274	78	10	68	1	0	1
Design and applied art	2,048	916	1,132	120	82	38	2	1	1
Dramatic/theater arts and stagecraft	3,675	1,661	2,014	1,039	549	490	122	100	22
Film/video and photographic arts, total	547	459	88	83	74	9	0	0	0
Film-video making/cinematography and production	70	58	12	26	24	2	0	0	0
Photography	477	401	76	57	50	7	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	12,397	4,253	8,144	1,953	1,052	901	52	27	25
Art, general	10,688	3,920	6,768	1,690	960	730	6	3	3
Art history, criticism and conservation	1,709	333	1,376	263	92	171	46	24	22
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,062	2,726	3,336	2,435	1,277	1,158	326	273	53
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	96	43	53	99	47	52	40	36	4
Music, general performance	3,318	1,559	1,759	1,713	878	835	200	164	36
Music theory and composition	2,648	1,124	1,524	623	352	271	86	73	13
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	1,773	946	827	411	198	213	90	61	29

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1970–71" survey. (This table was prepared September, 1993.)

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Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**887,273**	**500,590**	**386,683**	**251,633**	**149,550**	**102,083**	**33,363**	**28,090**	**5,273**
Agriculture and natural resources, total	13,516	12,779	737	2,680	2,490	190	971	945	26
Agricultural business and production, total	5,926	5,704	222	1,236	1,161	75	442	431	11
Agricultural business and management, total	4,575	4,453	122	870	831	39	314	306	8
Agricultural business and management, general	1,547	1,472	75	156	147	9	0	0	0
Agricultural business/agribusiness operations	1,744	1,710	34	301	284	17	148	144	4
Agricultural economics	1,066	1,054	12	407	395	12	166	162	4
Agricultural business and management, other	218	217	1	6	5	1	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	599	535	64	182	164	18	83	80	3
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	752	716	36	184	166	18	45	45	0
Agricultural sciences, total	3,735	3,363	372	761	678	83	374	361	13
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	3,025	2,743	282	421	392	29	193	188	5
Animal sciences, general	2,685	2,419	266	326	306	20	142	139	3
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	250	238	12	63	58	5	31	29	2
Poultry science	90	86	4	32	28	4	20	20	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	304	234	70	195	150	45	76	71	5
Plant sciences, total	141	140	1	43	43	0	17	17	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	141	140	1	43	43	0	17	17	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	265	246	19	102	93	9	88	85	3
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	3,855	3,712	143	683	651	32	155	153	2
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	593	530	63	99	90	9	15	14	1
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	133	123	10	9	9	0	8	7	1
Forestry, general	1,993	1,954	39	346	333	13	87	87	0
Wildlife and wildlands management	1,136	1,105	31	229	219	10	45	45	0
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	6,440	5,667	773	1,899	1,626	273	50	43	7
Architecture	3,652	3,460	192	580	529	51	4	4	0
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	920	715	205	73	51	22	7	7	0
Interior architecture	281	69	212	14	13	1	0	0	0
Landscape architecture	526	490	36	144	130	14	0	0	0
Architectural urban design and planning	319	297	22	957	799	158	34	28	6
Architecture and related programs, other	742	636	106	131	104	27	5	4	1
Area, ethnic, and cultural studies, total	3,044	1,486	1,558	1,001	590	411	155	127	28
Area studies, total	2,447	1,154	1,293	774	445	329	97	77	20
African studies	22	9	13	62	37	25	1	1	0
American studies/civilization	1,656	738	918	282	128	154	74	58	16
Latin American studies	304	156	148	159	105	54	12	10	2
Middle Eastern studies	19	10	9	7	6	1	1	0	1
Russian and Slavic studies	113	49	64	59	36	23	4	4	0
Asian studies	269	149	120	193	124	69	5	4	1
European studies	64	43	21	11	8	3	0	0	0
Area studies, other	0	0	0	1	1	0	0	0	0
Ethnic and cultural studies, total	267	159	108	28	13	15	1	1	0
Afro-American (black) studies	230	136	94	13	7	6	1	1	0
Hispanic-American studies	32	21	11	15	6	9	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	5	2	3	0	0	0	0	0	0
Area, ethnic and cultural studies, other	330	173	157	199	132	67	57	49	8
Biological sciences/life sciences, total	37,293	26,323	10,970	6,101	4,087	2,014	3,653	3,031	622
Biology, general	27,473	19,105	8,368	2,943	1,943	1,000	580	453	127
Biochemistry and biophysics	780	595	185	297	193	104	568	470	98
Botany, total	557	374	183	452	315	137	346	305	41
Botany, general	516	335	181	356	234	122	227	193	34
Plant pathology	30	28	2	81	68	13	92	86	6
Botany, other	11	11	0	15	13	2	27	26	1
Cell and molecular biology, total	78	52	26	26	15	11	69	40	29
Cell biology	29	22	7	12	8	4	18	7	11

Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	49	30	19	14	7	7	51	33	18
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	1,548	883	665	470	263	207	351	272	79
Miscellaneous biological specializations, total	185	129	56	445	281	164	461	370	91
Anatomy	3	1	2	78	58	20	152	116	36
Ecology	78	60	18	53	44	9	19	17	2
Marine biology	26	23	3	73	65	8	21	18	3
Neurosciences	0	0	0	6	6	0	21	18	3
Nutritional sciences	24	9	15	112	31	81	66	50	16
Toxicology	1	1	0	5	4	1	9	7	2
Genetics, plant and animal	48	32	16	71	43	28	134	110	24
Biometrics and biostatistics	5	3	2	26	17	9	23	18	5
Miscellaneous biological specializations, other	0	0	0	21	13	8	16	16	0
Zoology, total	5,522	4,325	1,197	1,189	875	314	1,094	962	132
Zoology, general	5,193	4,044	1,149	671	468	203	400	348	52
Entomology	166	155	11	191	162	29	194	187	7
Pathology, human and animal	1	1	0	75	53	22	91	74	17
Pharmacology, human and animal	5	3	2	74	59	15	167	147	20
Physiology, human and animal	157	122	35	178	133	45	242	206	36
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,150	860	290	279	202	77	184	159	25
Business management and administrative services and marketing operations/marketing and distribution, total	121,266	109,688	11,578	30,028	28,845	1,183	859	840	19
Business management and administrative services, total	104,862	94,787	10,075	28,536	27,402	1,134	813	796	17
Business, general	31,295	28,091	3,204	9,612	9,172	440	131	129	2
Business administration and management, total	31,694	29,423	2,271	12,114	11,718	396	399	387	12
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	31,694	29,423	2,271	12,114	11,718	396	399	387	12
Accounting	24,801	22,307	2,494	1,377	1,269	108	51	51	0
Administrative and secretarial services	1,256	29	1,227	0	0	0	0	0	0
Business/managerial economics	2,345	2,213	132	269	244	25	78	76	2
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	6,321	6,117	204	1,866	1,811	55	53	53	0
Finance, general	5,890	5,703	187	1,783	1,733	50	49	49	0
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	431	414	17	31	29	2	3	3	0
Investments and securities	0	0	0	52	49	3	1	1	0
Hospitality services management	799	729	70	26	24	2	2	2	0
Human resources management, total	2,524	2,370	154	597	557	40	36	36	0
Human resources management	1,316	1,212	104	297	284	13	18	18	0
Labor/personnel relations and studies	1,208	1,158	50	300	273	27	18	18	0
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	194	178	16	693	674	19	14	14	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	212	192	20	73	69	4	10	10	0
Business statistics	212	192	20	73	69	4	10	10	0
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	456	431	25	61	60	1	1	1	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	2,965	2,707	258	1,848	1,804	44	38	37	1
Marketing operations/marketing and distribution, total	16,404	14,901	1,503	1,492	1,443	49	46	44	2
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	16,404	14,901	1,503	1,492	1,443	49	46	44	2
Communications and communications technologies, total	12,340	7,964	4,376	2,200	1,443	757	111	96	15
Communications, total	11,860	7,625	4,235	2,043	1,342	701	105	90	15
Communications, general	2,504	1,606	898	578	347	231	69	57	12
Advertising	1,141	820	321	118	92	26	0	0	0
Journalism and mass communications, total	7,523	4,797	2,726	1,173	802	371	12	11	1
Journalism	5,385	3,055	2,330	950	631	319	11	10	1
Broadcast journalism	2,138	1,742	396	223	171	52	1	1	0
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	692	402	290	174	101	73	24	22	2
Communications technologies, total	480	339	141	157	101	56	6	6	0
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	480	339	141	157	101	56	6	6	0
Computer and information sciences, total	3,402	1,941	461	1,977	1,752	225	167	155	12

Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	2,451	2,117	334	1,572	1,363	209	145	134	11
Computer programming	8	5	3	7	6	1	0	0	0
Data processing technology/technician	504	435	69	131	128	3	0	0	0
Information science and systems	268	241	27	142	133	9	16	15	1
Computer systems analysis	72	63	9	110	107	3	6	6	0
Computer and information sciences, other	99	80	19	15	15	0	0	0	0
Education, total	190,880	49,344	141,536	96,668	41,141	55,527	6,648	5,104	1,544
Education, general	3,816	510	3,306	13,065	5,692	7,373	1,643	1,270	373
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	370	93	277	2,374	938	1,436	524	365	159
Education administration and supervision, total	53	23	30	23,590	13,947	9,643	1,736	1,510	226
Education administration and supervision, general	10	7	3	8,602	6,687	1,915	1,137	1,057	80
Administration of special education	0	0	0	151	50	101	11	10	1
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	43	16	27	14,837	7,210	7,627	588	443	145
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	12	5	7	194	99	95	90	66	24
Educational evaluation and research, general	2	0	2	80	42	38	48	36	12
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	10	5	5	114	57	57	42	30	12
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	238	79	159	581	327	254	137	99	38
Special education, total	11,069	1,439	9,630	6,916	1,789	5,127	234	149	85
Special education, general	4,042	557	3,485	3,733	963	2,770	166	109	57
Education of the deaf and hearing impaired	339	33	306	160	26	134	6	4	2
Education of the gifted and talented	8	0	8	12	1	11	0	0	0
Education of the emotionally handicapped	470	71	399	449	132	317	12	10	2
Education of the mentally handicapped	3,093	408	2,685	1,022	296	726	19	14	5
Education of the multiple handicapped	39	0	39	101	54	47	0	0	0
Education of the physically handicapped	200	35	165	154	24	130	4	1	3
Education of the blind and visually handicapped	82	9	73	64	28	36	1	1	0
Education of the specific learning disabled	159	21	138	242	47	195	3	2	1
Education of the speech impaired	2,447	271	2,176	624	110	514	13	2	11
Special education, other	190	34	156	355	108	247	10	6	4
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	104,365	11,779	92,586	28,162	7,547	20,615	1,007	708	299
Adult and continuing education	44	10	34	274	163	111	111	84	27
Elementary education	93,181	8,777	84,404	19,570	3,464	16,106	314	162	152
Junior high/intermediate and middle school education	592	204	388	123	63	60	0	0	0
Pre-elementary/early childhood/kindergarten education	4,416	90	4,326	944	38	906	6	1	5
Secondary education	6,125	2,692	3,433	6,828	3,575	3,253	314	250	64
General teacher education, other	7	6	1	423	244	179	262	211	51
Teacher education, academic and vocational programs, total	68,857	34,649	34,208	18,141	9,121	9,020	1,059	774	285
Agricultural education (vocational)	1,343	1,330	13	435	430	5	39	38	1
Art education	5,950	1,576	4,374	1,048	347	701	57	45	12
Business education (vocational)	8,437	2,588	5,849	2,166	851	1,315	74	47	27
Driver and safety education	104	89	15	126	123	3	0	0	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	1,020	509	511	556	287	269	84	65	19
Home economics education (vocational)	6,256	11	6,245	698	7	691	12	0	12
Technology/industrial arts education	8,085	7,942	143	2,158	2,024	134	130	126	4
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	2,425	1,144	1,281	764	413	351	51	43	8
Music education	7,093	3,086	4,007	1,529	797	732	117	98	19
Physical education and coaching	26,249	15,783	10,466	4,355	3,006	1,349	285	195	90
Reading education	23	1	22	3,287	372	2,915	90	43	47
Science education	1,064	577	487	758	446	312	95	73	22
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	808	13	795	261	18	243	25	1	24
Teaching English as a second language/foreign language	48	6	42	263	88	175	3	3	0
Education, other	2,052	761	1,291	3,382	1,593	1,789	215	160	55
Engineering and engineering-related technologies, total	51,164	50,638	526	16,960	16,688	272	3,671	3,649	22
Engineering, total	45,392	44,912	480	16,723	16,452	271	3,656	3,634	22
Engineering, general	2,925	2,880	45	991	974	17	284	282	2
Aerospace, aeronautical, and astronautical engineering	2,180	2,160	20	687	680	7	197	197	0
Agricultural engineering	447	446	1	177	177	0	65	65	0
Architectural engineering	253	247	6	23	23	0	0	0	0
Bioengineering and biomedical engineering	65	61	4	88	84	4	46	46	0

Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	196	193	3	60	56	4	19	18	1
Chemical engineering	3,625	3,551	74	1,154	1,126	28	394	393	1
Civil engineering, general	6,803	6,741	62	2,487	2,449	38	415	413	2
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	12,101	12,022	79	4,206	4,154	52	824	821	3
Engineering mechanics	210	209	1	269	262	7	147	145	2
Engineering physics	469	458	11	78	76	2	30	30	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	96	92	4	359	349	10	41	39	2
Geological engineering	111	105	6	40	40	0	17	17	0
Geophysical engineering	65	63	2	7	7	0	7	7	0
Industrial/manufacturing engineering	3,680	3,642	38	1,731	1,706	25	168	168	0
Materials engineering	116	110	6	165	160	5	96	96	0
Mechanical engineering	8,530	8,482	48	2,282	2,264	18	411	410	1
Metallurgical engineering	579	572	7	264	262	2	127	125	2
Mining and mineral engineering	169	168	1	76	76	0	36	35	1
Naval architecture and marine engineering	304	303	1	51	49	2	6	6	0
Nuclear engineering	312	305	7	383	377	6	120	118	2
Ocean engineering	164	159	5	77	73	4	9	9	0
Petroleum engineering	304	300	4	105	104	1	20	20	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	65	61	4	21	21	0	3	3	0
Engineering, other	1,623	1,582	41	942	903	39	174	171	3
Engineering-related technologies, total	5,772	5,726	46	237	236	1	15	15	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	5,772	5,726	46	237	236	1	15	15	0
English language and literature/letters, total	63,976	22,657	41,319	10,579	4,123	6,456	1,826	1,233	593
English language and literature, general	55,209	18,849	36,360	8,256	3,110	5,146	1,435	944	491
Comparative literature	269	77	192	167	57	110	92	60	32
English composition	0	0	0	0	0	0	0	0	0
English creative writing	110	57	53	168	122	46	6	5	1
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	7,250	3,180	4,070	1,731	704	1,027	238	186	52
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	1,138	494	644	257	130	127	55	38	17
Foreign languages and literatures, total	19,543	5,043	14,500	5,111	1,857	3,254	1,038	678	360
Foreign languages and literatures, total	877	291	586	760	316	444	290	196	94
Foreign languages and literatures, general	586	182	404	388	142	246	151	91	60
Linguistics	291	109	182	372	174	198	139	105	34
East and southeast asian languages and literatures, total	189	99	90	25	16	9	13	9	4
Chinese	103	59	44	20	14	6	11	7	4
Japanese	86	40	46	5	2	3	2	2	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	730	307	423	223	108	115	45	28	17
Russian	658	270	388	150	65	85	15	12	3
Slavic languages (other than Russian)	72	37	35	73	43	30	30	16	14
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,497	885	1,612	616	244	372	174	118	56
German	2,477	878	1,599	608	241	367	167	113	54
Scandinavian languages	20	7	13	8	3	5	7	5	2
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	2	1	1	0	0	0	0	0	0
Romance languages and literatures, total	13,956	2,889	11,067	2,946	873	2,073	364	214	150
French	6,822	1,075	5,747	1,421	339	1,082	193	101	92
Italian	287	80	207	104	28	76	19	13	6
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	6,847	1,734	5,113	1,421	506	915	152	100	52
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	177	82	95	79	66	13	6	6	0
Arabic	10	8	2	4	1	3	0	0	0
Hebrew	167	74	93	75	65	10	6	6	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

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Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	848	376	472	214	107	107	80	58	22
Classics and classical languages	403	186	217	123	67	56	58	47	11
Greek (ancient and medieval)	108	70	38	14	9	5	14	7	7
Latin (ancient and medieval)	337	120	217	77	31	46	8	4	4
Foreign languages and literatures, other	267	113	154	248	127	121	66	49	17
Health professions and related sciences, total	28,611	7,005	21,606	7,207	3,141	4,066	442	362	80
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	1,863	254	1,609	1,033	152	881	58	39	19
Community health liason	121	89	32	1,533	922	611	81	56	25
Dentistry specialties	2	2	0	415	406	9	11	11	0
Dental services	667	54	613	25	2	23	0	0	0
Health and medical administrative services, total	288	76	212	644	548	96	12	12	0
Health care and services administration	126	71	55	644	548	96	12	12	0
Medical records administration	162	5	157	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	3,416	568	2,848	93	43	50	4	4	0
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	3,416	568	2,848	93	43	50	4	4	0
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	19	15	4	187	142	45	21	20	1
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	41	15	26	332	154	178	17	11	6
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	41	15	26	332	154	178	17	11	6
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	13,152	340	12,812	1,829	31	1,798	10	0	10
Optometry	458	442	16	9	9	0	5	5	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	4,612	3,571	1,041	221	172	49	101	93	8
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	2,160	334	1,826	137	45	92	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	733	45	688	82	20	62	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	1,427	289	1,138	55	25	30	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	77	66	11	80	77	3	36	36	0
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	1,735	1,179	556	669	438	231	86	75	11
Home economics and vocational home economics, total	12,072	427	11,645	1,666	122	1,544	104	30	74
Home economics, total	11,434	283	11,151	1,564	112	1,452	100	30	70
Home economics, general	5,376	52	5,324	697	22	675	14	2	12
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	2,108	79	2,029	365	50	315	47	19	28
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	1,188	49	1,139	268	19	249	27	8	19
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	1,679	30	1,649	143	2	141	8	0	8
Home economics, other	1,083	73	1,010	91	19	72	4	1	3
Vocational home economics, total	638	144	494	102	10	92	4	0	4
Consumer and homemaking education	344	20	324	70	6	64	3	0	3
Custodial, housekeeping and home services workers and managers	294	124	170	32	4	28	1	0	1
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	503	470	33	917	867	50	40	39	1
Law, general	476	446	30	487	456	31	34	33	1
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	27	24	3	430	411	19	6	6	0
Liberal arts and sciences, general studies, and humanities, total	9,487	6,459	3,028	1,241	637	604	42	29	13

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Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	9,487	6459	3028	1,241	637	604	42	29	13
Liberal arts and sciences/liberal studies	7,558	5,386	2,172	1,027	556	471	3	3	0
Humanities/humanistic studies	1,929	1,073	856	214	81	133	39	26	13
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	989	66	923	7,383	1,484	5,899	64	36	28
Library science/librarianship	921	59	862	7,138	1,414	5,724	55	29	26
Library science, other	68	7	61	245	70	175	9	7	2
Mathematics, total	23,807	14,542	9,265	5,537	3,976	1,561	1,165	1,075	90
Mathematics	23,261	14,114	9,147	4,619	3,198	1,421	925	849	76
Applied mathematics, total	325	269	56	461	425	36	67	65	2
Applied mathematics, general	231	181	50	122	104	18	30	29	1
Operations research	94	88	6	339	321	18	37	36	1
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	168	121	47	416	331	85	173	161	12
Mathematics, other	53	38	15	41	22	19	0	0	0
Multi/interdisciplinary studies, total	6,860	4,867	1,993	902	665	237	106	97	9
Biological and physical sciences	3,335	2,527	808	508	386	122	19	16	3
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	3,525	2,340	1,185	394	279	115	87	81	6
Parks, recreation, leisure, and fitness studies total	2,161	1,438	723	369	250	119	12	9	3
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	2,161	1,438	723	369	250	119	12	9	3
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	8,535	6,337	2,198	1,386	931	455	563	498	65
Philosophy	5,939	4,640	1,299	615	493	122	364	320	44
Religion/religious studies	2,596	1,697	899	771	438	333	199	178	21
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	20,745	17,663	3,082	8,287	5,404	883	4,103	3,830	273
Physical sciences, total	20,745	17,663	3,082	8,287	5,404	883	4,103	3,830	273
Physical sciences, general	979	829	150	261	214	47	38	37	1
Astronomy	139	116	23	89	78	11	92	86	6
Astrophysics	20	19	1	78	77	1	17	16	1
Atmospheric science and meteorology	289	273	16	168	164	4	75	74	1
Chemistry, total	10,590	8,533	2,057	2,248	1,748	500	1,971	1,778	193
Chemistry, general	10,560	8,508	2,052	2,177	1,698	479	1,852	1,672	180
Analytical chemistry	0	0	0	2	2	0	7	7	0
Inorganic chemistry	19	17	2	5	3	2	11	8	3
Organic chemistry	1	0	1	30	23	7	42	38	4
Medicinal/pharmaceutical chemistry	2	2	0	19	14	5	28	25	3
Chemistry, other	8	6	2	15	8	7	31	28	3
Geological and related sciences, total	2,573	2,247	326	841	751	90	310	294	16
Geology	2,513	2,194	319	787	698	89	266	252	14
Geochemistry	9	7	2	5	5	0	6	5	1
Geophysics and seismology	51	46	5	49	48	1	38	37	1
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,288	1,125	163	458	398	60	171	165	6
Metallurgy	18	18	0	35	35	0	21	21	0
Oceanography	356	348	8	166	148	18	71	70	1
Earth science	810	666	144	221	182	39	47	43	4
Miscellaneous physical sciences, other	104	93	11	36	33	3	32	31	1
Physics, total	4,634	4,314	320	2,033	1,874	159	1,344	1,301	43
Physics, general	4,583	4,264	319	2,026	1,869	157	1,332	1,290	42
Physics, other	51	50	1	7	5	2	12	11	1
Physical sciences, other	233	207	26	111	100	11	85	79	6
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	2,913	2,564	349	211	195	16	3	3	0
Criminal justice, total	2,913	2,564	349	211	195	16	3	3	0
Corrections/correctional administration	2,913	2,564	349	211	195	16	3	3	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	43,433	23,352	20,081	6,764	3,934	2,830	2,277	1,694	583
Psychology, general	42,177	22,768	19,409	3,797	2,438	1,359	1,489	1,124	365
Clinical psychology	15	10	5	237	143	94	154	119	35
Counseling psychology	61	17	44	452	232	220	25	20	5
Developmental and child psychology	52	5	47	95	25	70	34	18	16
Experimental psychology	48	48	0	59	41	18	73	59	14
Industrial and organizational psychology	28	22	6	27	23	4	3	3	0

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Table 17.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1971–72—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	32	22	10	8	6	2	13	11	2
Social psychology	108	53	55	43	34	9	39	31	8
School psychology	340	193	147	1,475	675	800	396	280	116
Psychology, other	572	214	358	571	317	254	51	29	22
Public administration and services, total	7,508	2,588	4,920	8,756	4,537	4,219	193	150	43
Community organization, resources and services	316	132	184	38	32	6	1	0	1
Public administration	347	312	35	1,851	1,672	179	68	62	6
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	6,090	1,539	4,551	6,470	2,570	3,900	99	68	31
Public administration and services, other	755	605	150	397	263	134	25	20	5
R.O.T.C. and military technologies, total	206	206	0	0	0	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	95	95	0	0	0	0	0	0	0
Military technologies, total	111	111	0	0	0	0	0	0	0
Social sciences and history, total	158,060	100,895	57,165	17,445	12,540	4,905	4,081	3,483	598
Social sciences, general	21,115	11,664	9,451	2,269	1,490	779	69	52	17
Anthropology	5,151	2,352	2,799	818	455	363	*241	175	66
Archeology	37	13	24	14	6	8	5	2	3
Criminology	801	661	140	100	79	21	12	11	1
Demography and population studies	4	2	2	33	24	9	9	7	2
Economics	15,231	13,456	1,775	2,224	1,940	284	* 794	734	60
Geography, total	4,326	3416	910	786	672	114	203	191	12
Geography	4,326	3,416	910	786	672	114	203	191	12
Cartography	0	0	0	0	0	0	0	0	0
History	43,695	28,688	15,007	5,217	3,527	1,690	1,133	955	178
International relations and affairs	1,250	867	383	817	707	110	73	67	6
Political science and government, general	28,135	22,845	5,290	2,451	1,949	502	758	678	80
Sociology	35,216	15,231	19,985	1,944	1,191	753	636	500	136
Urban affairs/studies	603	339	264	400	287	113	3	3	0
Social sciences and history, other	2,496	1,361	1,135	372	213	159	145	108	37
Theological studies and religious vocations, total	3,882	2,803	1,079	2,755	2,110	645	441	420	21
Biblical and other theological languages and literatures	78	76	2	5	5	0	4	4	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,101	562	539	1,028	549	479	50	48	2
Religious/sacred music	135	75	60	138	112	*26	10	6	4
Theology and theological studies	2,040	1,744	296	1,486	1,369	117	340	326	14
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	528	346	182	98	75	23	37	36	1
Transportation and material moving workers, total	806	798	8	66	66	0	6	6	0
Water transportation workers	157	157	0	0	0	0	0	0	0
Transportation and material moving, other	649	641	8	66	66	0	6	6	0
Visual and performing arts, total	33,831	13,580	20,251	7,537	4,049	3,488	572	428	144
Visual and performing arts, general	4,296	1,507	2,789	787	430	357	19	11	8
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	430	85	345	99	12	87	3	0	3
Design and applied art	2,608	1,134	1,474	129	77	52	0	0	0
Dramatic/theater arts and stagecraft	4,448	1,881	2,567	1,210	571	639	134	102	32
Film/video and photographic arts, total	667	549	118	96	79	17	0	0	0
Film-video making/cinematography and production	128	99	29	49	34	15	0	0	0
Photography	539	450	89	47	45	2	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	13,478	4,731	8,747	2,124	1,215	909	51	28	23
Art, general	11,769	4,401	7,368	1,851	1,134	717	12	7	5
Art history criticism and conservation	1,709	330	1,379	273	81	192	39	21	18
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,299	2,829	3,470	2,663	1,438	1,225	316	253	63
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	110	43	67	117	62	55	34	25	9
Music, general performance	3,215	1,504	1,711	1,822	990	832	202	171	31
Music theory and composition	2,974	1,282	1,692	724	386	338	80	57	23
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	1,605	864	741	429	227	202	49	34	15

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1971–72" survey. (This table was prepared September, 1993.)

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Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**922,362**	**518,191**	**404,171**	**263,371**	**154,468**	**108,903**	**34,777**	**28,571**	**6,206**
Agriculture and natural resources, total	14,756	13,661	1,095	2,807	2,588	219	1,059	1,031	28
Agricultural business and production, total	6,306	5,926	380	1,284	1,194	90	466	450	16
Agricultural business and management, total	4,287	4,152	135	913	870	43	369	361	8
Agricultural business and management, general	1,515	1,443	72	152	143	9	2	2	0
Agricultural business/agribusiness operations	1,629	1,584	45	334	319	15	177	176	1
Agricultural economics	977	961	16	427	408	19	190	183	7
Agricultural business and management, other	166	164	2	0	0	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	696	596	100	154	137	17	53	52	1
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	1,323	1,178	145	217	187	30	44	37	7
Agricultural sciences, total	4,109	3,620	489	811	729	82	380	370	10
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	3,240	2,870	370	444	417	27	191	187	4
Animal sciences, general	2,904	2,560	344	321	300	21	145	142	3
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	269	253	16	83	79	4	30	29	1
Poultry science	67	57	10	40	38	2	16	16	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	439	340	99	227	179	48	73	69	4
Plant sciences, total	155	150	5	57	55	2	19	19	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	155	150	5	57	55	2	19	19	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	275	260	15	83	78	5	97	95	2
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	4,341	4,115	226	712	665	47	213	211	2
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	995	881	114	118	106	12	20	20	0
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	85	83	2	5	4	1	7	7	0
Forestry, general	2,001	1,961	40	356	331	25	138	138	0
Wildlife and wildlands management	1,260	1,190	70	233	224	9	48	46	2
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	6,962	6,042	920	2,307	1,943	364	58	54	4
Architecture	3,957	3,705	252	729	657	72	7	7	0
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	892	708	184	67	40	27	7	7	0
Interior architecture	358	56	302	7	7	0	1	1	0
Landscape architecture	535	479	56	155	131	24	1	1	0
Architectural urban design and planning	290	250	40	1,148	942	206	37	35	2
Architecture and related programs, other	930	844	86	201	166	35	5	3	2
Area, ethnic, and cultural studies, total	3,512	1,669	1,843	1,053	664	389	163	117	46
Area studies, total	2,734	1,288	1,446	761	464	297	109	76	33
African studies	18	11	7	68	45	23	2	2	0
American studies/civilization	1,785	822	963	265	130	135	77	49	28
Latin American studies	281	140	141	162	96	66	9	8	1
Middle Eastern studies	45	21	24	5	4	1	5	5	0
Russian and Slavic studies	152	66	86	45	36	9	1	1	0
Asian studies	379	197	182	205	146	59	14	10	4
European studies	74	31	43	9	5	4	1	1	0
Area studies, other	0	0	0	2	2	0	0	0	0
Ethnic and cultural studies, total	439	205	234	30	16	14	0	0	0
Afro-American (black) studies	351	155	196	21	10	11	0	0	0
Hispanic-American studies	84	46	38	9	6	3	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	4	4	0	0	0	0	0	0	0
Area, ethnic and cultural studies, other	339	176	163	262	184	78	54	41	13
Biological sciences/life sciences, total	42,233	29,636	12,597	6,263	4,354	1,909	3,636	2,926	710
Biology, general	31,185	21,640	9,545	2,959	1,990	969	627	492	135
Biochemistry and biophysics	924	722	202	318	232	86	601	489	112
Botany, total	735	484	251	495	369	126	365	306	59
Botany, general	674	432	242	367	261	106	227	178	49
Plant pathology	29	26	3	108	91	17	100	92	8
Botany, other	32	26	6	20	17	3	38	36	2
Cell and molecular biology, total	81	51	30	18	9	9	74	52	22
Cell biology	25	17	8	7	3	4	22	14	8

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Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	56	34	22	11	6	5	52	38	14
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	1,940	1,074	866	517	352	165	344	267	77
Miscellaneous biological specializations, total	237	167	70	417	254	163	385	295	90
Anatomy	5	4	1	88	72	16	128	93	35
Ecology	58	40	18	47	33	14	32	27	5
Marine biology	96	80	16	19	14	5	14	12	2
Neurosciences	2	1	1	3	3	0	14	12	2
Nutritional sciences	26	11	15	107	37	70	53	34	19
Toxicology	5	4	1	6	5	1	6	5	1
Genetics, plant and animal	38	20	18	72	41	31	105	84	21
Biometrics and biostatistics	7	7	0	48	24	24	19	16	3
Miscellaneous biological specializations, other	0	0	0	27	25	2	14	12	2
Zoology, total	5,770	4,494	1,276	1,191	868	323	1,008	837	171
Zoology, general	5,365	4,182	1,183	654	458	196	338	266	72
Entomology	205	163	42	209	175	34	189	173	16
Pathology, human and animal	0	0	0	63	36	27	76	70	6
Pharmacology, human and animal	7	6	1	86	65	21	129	107	22
Physiology, human and animal	193	143	50	179	134	45	276	221	55
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,361	1,004	357	348	280	68	232	188	44
Business management and administrative services and marketing operations/marketing and distribution, total	126,144	112,783	13,361	30,638	29,128	1,510	902	850	52
Business management and administrative services, total	110,779	98,899	11,880	29,560	28,106	1,454	827	799	28
Business, general	29,916	26,694	3,222	9,053	8,595	458	190	182	8
Business administration and management, total	32,878	30,197	2,681	12,488	11,965	523	323	313	10
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	32,878	30,197	2,681	12,488	11,965	523	323	313	10
Accounting	27,947	24,710	3,237	1,621	1,480	141	83	82	1
Administrative and secretarial services	1,330	32	1,298	36	18	18	1	1	0
Business/managerial economics	2,394	2,216	178	242	214	28	74	70	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	6,769	6,509	260	1,824	1,762	62	35	34	1
Finance, general	6,213	5,979	234	1,741	1,683	58	33	32	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	501	476	25	22	21	1	2	2	0
Investments and securities	55	54	1	61	58	3	0	0	0
Hospitality services management	860	788	72	22	22	0	0	0	0
Human resources management, total	2,672	2,464	208	677	626	51	33	33	0
Human resources management	1,189	1,077	112	352	327	25	12	12	0
Labor/personnel relations and studies	1,483	1,387	96	325	299	26	21	21	0
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	195	179	16	745	714	31	5	4	1
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	99	77	22	99	85	14	13	13	0
Business statistics	99	77	22	99	85	14	13	13	0
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	605	555	50	75	73	2	0	0	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	5,114	4,478	636	2,678	2,552	126	70	67	3
Marketing operations/marketing and distribution, total	15,365	13,884	1,481	1,078	1,022	56	75	51	24
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	15,365	13,884	1,481	1,078	1,022	56	75	51	24
Communications and communications technologies, total	14,317	9,074	5,243	2,406	1,546	860	139	114	25
Communications, total	13,959	8,815	5,144	2,308	1,489	819	139	114	25
Communications, general	2,791	1,708	1,083	770	472	298	93	73	20
Advertising	1,047	723	324	54	42	12	0	0	0
Journalism and mass communications, total	8,927	5,588	3,339	1,179	788	391	15	13	2
Journalism	6,360	3,488	2,872	976	633	343	12	10	2
Broadcast journalism	2,567	2,100	467	203	155	48	3	3	0
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	1,194	796	398	305	187	118	31	28	3
Communications technologies, total	358	259	99	98	57	41	0	0	0
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	358	259	99	98	57	41	0	0	0
Computer and information sciences, total	4,304	3,664	640	2,113	1,888	225	196	181	15

Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	3,278	2,770	508	1,627	1,433	194	165	154	11
Computer programming	14	13	1	0	0	0	0	0	0
Data processing technology/technician	566	492	74	144	137	7	0	0	0
Information science and systems	234	202	32	115	102	13	17	15	2
Computer systems analysis	97	79	18	153	146	7	0	0	0
Computer and information sciences, other	115	108	7	74	70	4	14	12	2
Education, total	193,984	51,300	142,684	103,777	43,298	60,479	6,857	5,191	1,666
Education, general	3,967	745	3,222	13,095	5,674	7,421	1,691	1,265	426
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	418	117	301	2,657	943	1,714	562	390	172
Education administration and supervision, total	56	20	36	24,957	14,632	10,325	1,719	1,467	252
Education administration and supervision, general	28	6	22	9,121	7,106	2,015	1,157	1,039	118
Administration of special education	1	0	1	177	42	135	13	11	2
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	27	14	13	15,659	7,484	8,175	549	417	132
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	7	3	4	293	134	159	108	88	20
Educational evaluation and research, general	1	0	1	93	46	47	55	43	12
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	6	3	3	200	88	112	53	45	8
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	216	121	95	606	362	244	197	153	44
Special education, total	15,133	1,881	13,252	8,177	1,985	6,192	227	154	73
Special education, general	5,452	791	4,661	4,272	1,085	3,187	162	117	45
Education of the deaf and hearing impaired	419	45	374	312	58	254	2	1	1
Education of the gifted and talented	82	1	81	2	0	2	0	0	0
Education of the emotionally handicapped	736	93	643	563	144	419	5	3	2
Education of the mentally handicapped	4,790	578	4,212	1,266	378	888	22	15	7
Education of the multiple handicapped	54	2	52	48	6	42	0	0	0
Education of the physically handicapped	242	38	204	164	38	126	1	1	0
Education of the blind and visually handicapped	102	9	93	79	26	53	2	0	2
Education of the specific learning disabled	270	27	243	518	54	464	3	1	2
Education of the speech impaired	2,877	278	2,599	686	106	580	12	5	7
Special education, other	109	19	90	267	90	177	18	11	7
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	100,357	12,141	88,216	30,105	7,795	22,310	957	656	301
Adult and continuing education	18	8	10	348	180	168	80	65	15
Elementary education	89,322	9,371	79,951	21,125	3,709	17,416	257	110	147
Junior high/intermediate and middle school education	615	197	418	92	39	53	0	0	0
Pre-elementary/early childhood/kindergarten education	4,832	166	4,666	1,120	34	1,086	21	4	17
Secondary education	5,567	2,398	3,169	6,905	3,486	3,419	280	216	64
General teacher education, other	3	1	2	515	347	168	319	261	58
Teacher education, academic and vocational programs, total	70,140	35,049	35,091	19,338	9,608	9,730	1,015	733	282
Agricultural education (vocational)	1,200	1,168	32	440	428	12	34	34	0
Art education	6,215	1,613	4,602	1,103	357	746	36	27	9
Business education (vocational)	7,933	2,248	5,685	2,075	870	1,205	94	66	28
Driver and safety education	73	67	6	137	134	3	1	1	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	1,299	599	700	580	291	289	61	42	19
Home economics education (vocational)	5,919	41	5,878	616	8	608	27	0	27
Technology/industrial arts education	8,543	8,315	228	2,331	2,137	194	164	155	9
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	2,489	1,136	1,353	733	409	324	52	41	11
Music education	7,438	3,202	4,236	1,483	819	664	95	73	22
Physical education and coaching	26,947	16,027	10,920	4,441	3,072	1,369	259	181	78
Reading education	83	1	82	4,249	455	3,794	75	38	37
Science education	1,179	615	564	910	623	287	89	75	14
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	822	17	805	240	5	235	28	0	28
Teaching English as a second language/foreign language	19	8	11	323	106	217	4	3	1
Education, other	3,671	1,215	2,456	4,226	2,059	2,167	377	282	95
Engineering and engineering-related technologies, total	51,265	50,652	613	16,619	16,341	278	3,492	3,438	54
Engineering, total	46,411	45,850	561	16,497	16,221	276	3,473	3,419	54
Engineering, general	2,628	2,591	37	917	794	23	254	250	4
Aerospace, aeronautical, and astronautical engineering	1,738	1,720	18	563	561	2	171	170	1
Agricultural engineering	493	490	3	171	168	3	70	68	2
Architectural engineering	324	320	4	39	39	0	0	0	0
Bioengineering and biomedical engineering	66	65	1	114	104	10	54	53	1

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Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	202	195	7	53	53	0	20	19	1
Chemical engineering	3,578	3,494	84	1,051	1,030	21	397	395	2
Civil engineering, general	7,390	7,318	72	2,627	2,589	38	397	388	9
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	12,313	12,155	158	3,895	3,846	49	791	782	9
Engineering mechanics	211	209	2	254	251	3	127	125	2
Engineering physics	277	274	3	57	56	1	9	8	1
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	187	180	7	627	605	22	41	38	3
Geological engineering	123	117	6	41	41	0	4	4	0
Geophysical engineering	24	23	1	6	6	0	10	10	0
Industrial/manufacturing engineering	3,458	3,430	28	1,595	1,566	29	130	127	3
Materials engineering	105	103	2	215	208	7	116	114	2
Mechanical engineering	8,523	8,462	61	2,141	2,122	19	370	367	3
Metallurgical engineering	558	552	6	279	275	4	125	121	4
Mining and mineral engineering	201	199	2	53	52	1	22	22	0
Naval architecture and marine engineering	288	287	1	72	72	0	6	6	0
Nuclear engineering	328	326	2	399	393	6	111	110	1
Ocean engineering	88	88	0	112	111	1	10	10	0
Petroleum engineering	332	328	4	88	87	1	18	18	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	34	33	1	18	17	1	0	0	0
Engineering, other	2,922	2,871	51	1,310	1,275	35	220	214	6
Engineering-related technologies, total	4,854	4,802	52	122	120	2	19	19	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	4,854	4,802	52	122	120	2	19	19	0
English language and literature/letters, total	61,003	22,156	38,847	10,239	4,063	6,176	1,935	1,258	677
English language and literature, general	51,614	18,129	33,485	7,605	2,899	4,706	1,450	929	521
Comparative literature	396	134	262	204	75	129	118	69	49
English composition	0	0	0	0	0	0	0	0	0
English creative writing	114	70	44	225	161	64	5	3	2
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	7,450	3,239	4,211	1,867	771	1,096	309	226	83
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	1,429	584	845	338	157	181	53	31	22
Foreign languages and literatures, total	19,760	4,971	14,789	4,858	1,828	3,030	1,226	757	469
Foreign languages and literatures, total	836	292	544	829	364	465	344	231	113
Foreign languages and literatures, general	394	140	254	377	140	237	167	105	62
Linguistics	442	152	290	452	224	228	177	126	51
East and southeast asian languages and literatures, total	188	79	109	45	28	17	15	12	3
Chinese	98	50	48	29	21	8	13	11	2
Japanese	90	29	61	16	7	9	2	1	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	699	311	388	237	120	117	76	43	33
Russian	622	285	337	120	60	60	27	10	17
Slavic languages (other than Russian)	77	26	51	117	60	57	49	33	16
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,549	878	1,671	608	282	326	180	107	73
German	2,520	867	1,653	598	277	321	176	106	70
Scandinavian languages	29	11	18	10	5	5	4	1	3
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	8	4	4	6	4	2	7	6	1
Romance languages and literatures, total	14,227	2,850	11,377	2,653	785	1,868	436	238	198
French	6,705	1,035	5,670	1,277	317	960	203	87	116
Italian	313	102	211	78	25	53	27	17	10
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	7,209	1,713	5,496	1,298	443	855	206	134	72
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	167	85	82	66	48	18	8	8	0
Arabic	12	9	3	3	1	2	1	1	0
Hebrew	155	76	79	63	47	16	7	7	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

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Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	725	364	361	188	101	87	75	50	25
Classics and classical languages	354	211	143	117	68	49	58	39	19
Greek (ancient and medieval)	97	63	34	25	16	9	10	7	3
Latin (ancient and medieval)	274	90	184	46	17	29	7	4	3
Foreign languages and literatures, other	361	108	253	226	96	130	85	62	23
Health professions and related sciences, total	33,564	7,754	25,810	8,362	3,567	4,795	646	485	161
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	2,574	315	2,259	1,404	237	1,167	69	46	23
Community health liason	184	118	66	1,563	857	706	84	60	24
Dentistry specialties	6	6	0	411	404	7	6	6	0
Dental services	830	17	813	25	0	25	0	0	0
Health and medical administrative services, total	359	122	237	725	649	76	12	10	2
Health care and services administration	121	105	16	725	649	76	12	10	2
Medical records administration	238	17	221	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	3,828	744	3,084	117	39	78	3	3	0
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	3,828	744	3,084	117	39	78	3	3	0
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	29	26	3	157	124	33	21	17	4
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	41	10	31	483	263	220	3	2	1
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	41	10	31	483	263	220	3	2	1
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	15,407	460	14,947	2,079	109	1,970	17	4	13
Optometry	253	235	18	2	2	0	2	2	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	4,964	3,771	1,193	167	131	36	296	221	75
Podiatry	0	0	0	0	0	0	0	0	0
Rehabilitative therapeutic services, total	2,680	435	2,245	153	39	114	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	974	64	910	75	12	63	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	1,706	371	1,335	78	27	51	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	3	3	0	91	88	3	34	31	3
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	2,406	1,492	914	885	625	260	99	83	16
Home economics and vocational home economics, total	13,533	503	13,030	1,679	156	1,523	165	40	125
Home economics, total	12,786	363	12,423	1,573	141	1,432	159	39	120
Home economics, general	5,513	83	5,430	682	43	639	49	2	47
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	2,635	145	2,490	365	60	305	67	28	39
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	1,438	51	1,387	317	25	292	33	9	24
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,026	27	1,999	133	7	126	7	0	7
Home economics, other	1,174	57	1,117	76	6	70	3	0	3
Vocational home economics, total	747	140	607	106	15	91	6	1	5
Consumer and homemaking education	398	8	390	81	9	72	6	1	5
Custodial, housekeeping and home services workers and managers	349	132	217	25	6	19	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	474	434	40	1,048	977	71	37	36	1
Law, general	412	381	31	375	350	25	29	29	0
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	62	53	9	573	627	46	8	7	1
Liberal arts and sciences, general studies, and humanities, total	10,702	7,020	3,682	1,425	550	875	29	21	8

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Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	10,702	7020	3682	1,425	550	875	29	21	8
Liberal arts and sciences/liberal studies	8,201	5,659	2,542	1,210	471	739	8	5	3
Humanities/humanistic studies	2,501	1,361	1,140	215	79	136	21	16	5
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	1,159	87	1,072	7,696	1,676	6,020	102	60	42
Library science/librarianship	1,079	81	998	7,509	1,601	5,908	91	52	39
Library science, other	80	6	74	187	75	112	11	8	3
Mathematics, total	23,186	13,910	9,276	5,397	3,878	1,519	1,089	987	102
Mathematics	22,307	13,275	9,032	4,271	2,941	1,330	842	765	77
Applied mathematics, total	471	376	95	545	497	48	62	58	4
Applied mathematics, general	352	262	90	176	144	32	41	37	4
Operations research	119	114	5	369	353	16	21	21	0
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	220	139	81	430	334	96	172	153	19
Mathematics, other	188	120	68	151	106	45	13	11	2
Multi/interdisciplinary studies, total	9,590	6,513	3,077	1,121	834	287	170	144	26
Biological and physical sciences	2,923	2,290	633	395	285	110	18	16	2
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	6,667	4,223	2,444	726	549	177	152	128	24
Parks, recreation, leisure, and fitness studies total	2,724	1,701	1,023	391	260	131	14	10	4
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	2,724	1,701	1,023	391	260	131	14	10	4
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	9,142	6,706	2,436	1,218	840	378	580	499	81
Philosophy	5,918	4,569	1,349	629	501	128	409	344	65
Religion/religious studies	3,224	2,137	1,087	589	339	250	171	155	16
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	20,696	17,626	3,070	6,257	5,414	843	4,006	3,738	268
Physical sciences, total	20,696	17,626	3,070	6,257	5,414	843	4,006	3,738	268
Physical sciences, general	1,040	848	192	251	208	43	57	57	0
Astronomy	110	87	23	89	78	11	90	84	6
Astrophysics	33	30	3	3	2	1	7	6	1
Atmospheric science and meteorology	251	242	9	174	165	9	42	41	1
Chemistry, total	10,128	8,208	1,920	2,225	1,761	464	1,872	1,694	178
Chemistry, general	10,099	8,188	1,911	2,130	1,679	451	1,686	1,533	153
Analytical chemistry	0	0	0	17	16	1	21	21	0
Inorganic chemistry	15	11	4	13	10	3	18	16	2
Organic chemistry	5	1	4	21	17	4	63	54	9
Medicinal/pharmaceutical chemistry	4	4	0	27	26	1	45	40	5
Chemistry, other	5	4	1	17	13	4	39	30	9
Geological and related sciences, total	2,923	2,535	388	827	742	85	305	293	12
Geology	2,842	2,463	379	771	688	83	270	258	12
Geochemistry	12	10	2	10	9	1	9	9	0
Geophysics and seismology	69	62	7	46	45	1	26	26	0
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,344	1,189	155	585	488	97	169	156	13
Metallurgy	20	20	0	35	33	2	18	18	0
Oceanography	292	273	19	154	141	13	89	81	8
Earth science	900	785	115	310	241	69	34	30	4
Miscellaneous physical sciences, other	132	111	21	86	73	13	28	27	1
Physics, total	4,259	3,949	310	1,747	1,634	113	1,338	1,287	51
Physics, general	4,123	3,827	296	1,735	1,628	107	1,303	1,256	47
Physics, other	136	122	14	12	6	6	35	31	4
Physical sciences, other	608	538	70	356	336	20	126	120	6
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	4,381	3,790	591	342	276	66	3	3	0
Criminal justice, total	4,381	3,790	591	342	276	66	3	3	0
Corrections/correctional administration	4,381	3,790	591	342	276	66	3	3	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	47,940	25,117	22,823	7,619	4,325	3,294	2,550	1,797	753
Psychology, general	46,542	24,450	22,092	4,137	2,518	1,619	1,577	1,154	423
Clinical psychology	13	4	9	395	237	158	205	133	72
Counseling psychology	85	38	47	423	221	202	56	37	19
Developmental and child psychology	26	0	26	63	27	36	15	6	9
Experimental psychology	82	50	32	85	57	28	60	43	17
Industrial and organizational psychology	22	20	2	26	21	5	9	9	0

Table 18.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1972–73—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	13	8	5	5	1	4	12	7	5
Social psychology	151	74	77	36	23	13	58	41	17
School psychology	245	141	104	1,788	830	958	461	313	148
Psychology, other	761	332	429	661	390	271	97	54	43
Public administration and services, total	10,690	3,998	6,692	10,068	5,271	4,797	198	160	38
Community organization, resources and services	499	228	271	73	50	23	4	1	3
Public administration	601	550	51	2,448	2,153	295	67	62	5
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	8,021	2,116	5,905	6,808	2,525	4,283	111	82	29
Public administration and services, other	1,569	1,104	465	739	543	196	16	15	1
R.O.T.C. and military technologies, total	81	81	0	0	0	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	59	59	0	0	0	0	0	0	0
Military technologies, total	22	22	0	0	0	0	0	0	0
Social sciences and history, total	155,970	99,735	56,235	17,477	12,605	4,872	4,234	3,573	661
Social sciences, general	18,033	10,067	7,966	1,878	1,286	592	63	58	5
Anthropology	5,608	2,563	3,045	807	459	348	361	246	115
Archeology	117	34	83	15	7	8	12	8	4
Criminology	1,307	1,059	248	119	100	19	8	7	1
Demography and population studies	2	2	0	19	15	4	3	3	0
Economics	14,770	12,735	2,035	2,225	1,945	280	845	793	52
Geography, total	4,201	3276	925	809	667	142	227	211	16
Geography	4,201	3,276	925	809	667	142	227	211	16
Cartography	0	0	0	0	0	0	0	0	0
History	40,943	26,987	13,956	5,030	3,447	1,583	1,140	977	163
International relations and affairs	1,097	785	312	1,053	833	220	79	65	14
Political science and government, general	30,100	24,219	5,881	2,398	1,918	480	747	652	95
Sociology	35,436	15,580	19,856	1,923	1,146	777	583	429	154
Urban affairs/studies	891	542	349	670	440	230	7	5	2
Social sciences and history, other	3,465	1,886	1,579	531	342	189	159	119	40
Theological studies and religious vocations, total	3,534	2,621	913	2,778	2,036	742	666	644	22
Biblical and other theological languages and literatures	14	14	0	6	6	0	3	3	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,016	497	519	1,053	520	533	42	40	2
Religious/sacred music	113	66	47	120	88	32	7	6	1
Theology and theological studies	1,676	1,469	207	1,347	1,213	134	546	529	17
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	715	575	140	252	209	43	68	66	2
Transportation and material moving workers, total	739	720	19	159	157	2	9	8	1
Water transportation workers	172	172	0	0	0	0	0	0	0
Transportation and material moving, other	567	548	19	159	157	2	9	8	1
Visual and performing arts, total	36,017	14,267	21,750	7,254	4,005	3,249	616	449	167
Visual and performing arts, general	4,281	1,555	2,726	686	357	329	53	30	23
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	431	56	375	104	14	90	1	0	1
Design and applied art	1,994	754	1,240	173	118	55	0	0	0
Dramatic/theater arts and stagecraft	4,745	1,985	2,760	979	580	399	92	70	22
Film/video and photographic arts, total	664	552	112	129	105	24	0	0	0
Film-video making/cinematography and production	224	196	28	82	64	18	0	0	0
Photography	440	356	84	47	41	6	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	15,311	5,425	9,886	2,176	1,194	982	79	45	34
Art, general	13,156	4,988	8,168	1,793	1,087	706	12	9	3
Art history,criticism and conservation	2,155	437	1,718	383	107	276	67	36	31
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,749	3,067	3,682	2,652	1,429	1,223	366	287	79
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	166	91	75	94	43	51	53	39	14
Music, general performance	3,585	1,658	1,927	1,866	1,000	866	245	194	51
Music theory and composition	2,998	1,318	1,680	692	386	306	68	54	14
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	1,842	873	969	355	208	147	25	17	8

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1972–73" survey. (This table was prepared September 1993.)

Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**945,776**	**527,313**	**418,463**	**277,033**	**157,842**	**119,191**	**33,816**	**27,365**	**6,451**
Agriculture and natural resources, total	16,253	14,684	1,569	2,928	2,640	288	930	897	33
Agricultural business and production, total	6,565	6,130	435	1,263	1,155	108	411	401	10
Agricultural business and management, total	4,885	4,687	198	943	894	49	337	329	8
Agricultural business and management, general	1,813	1,690	123	220	204	16	3	2	1
Agricultural business/agribusiness operations	1,700	1,666	34	296	288	8	159	157	2
Agricultural economics	1,172	1,136	36	413	390	23	165	161	4
Agricultural business and management, other	200	195	5	14	12	2	10	9	1
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	885	728	157	187	143	44	47	46	1
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	795	715	80	133	118	15	27	26	1
Agricultural sciences, total	4,371	3,684	687	794	685	109	345	325	20
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	3,427	2,919	508	467	421	46	166	161	5
Animal sciences, general	3,111	2,621	490	366	328	38	129	124	5
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	239	227	12	55	51	4	27	27	0
Poultry science	77	71	6	46	42	4	10	10	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	402	270	132	197	147	50	88	74	14
Plant sciences, total	163	160	3	43	40	3	19	19	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	163	160	3	43	40	3	19	19	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	379	335	44	87	77	10	72	71	1
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	5,317	4,870	447	871	800	71	174	171	3
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	1,519	1,292	227	160	139	21	26	25	1
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	117	111	6	8	8	0	12	12	0
Forestry, general	2,337	2,230	107	408	373	35	78	76	2
Wildlife and wildlands management	1,344	1,237	107	295	280	15	58	58	0
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	7,822	6,665	1,157	2,702	2,208	494	69	65	4
Architecture	4,513	4,215	298	929	835	94	16	15	1
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,284	967	317	75	49	26	1	1	0
Interior architecture	489	110	379	15	5	10	0	0	0
Landscape architecture	601	530	71	170	136	34	0	0	0
Architectural urban design and planning	436	358	78	1,447	1,134	313	52	49	3
Architecture and related programs, other	499	485	14	66	49	17	0	0	0
Area, ethnic, and cultural studies, total	3,721	1,711	2,010	1,160	709	451	165	117	48
Area studies, total	2,939	1,332	1,607	881	512	369	128	88	40
African studies	17	12	5	56	26	30	9	7	2
American studies/civilization	1,844	841	1,003	326	166	160	80	49	31
Latin American studies	280	114	166	136	82	54	7	6	1
Middle Eastern studies	52	21	31	21	13	8	5	5	0
Russian and Slavic studies	150	62	88	74	45	29	8	6	2
Asian studies	455	224	231	245	165	80	19	15	4
European studies	140	57	83	22	14	8	0	0	0
Area studies, other	1	1	0	1	1	0	0	0	0
Ethnic and cultural studies, total	523	247	276	31	15	16	3	0	3
Afro-American (black) studies	392	174	218	19	9	10	3	0	3
Hispanic-American studies	111	65	46	12	6	6	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	20	8	12	0	0	0	0	0	0
Area, ethnic and cultural studies, other	259	132	127	248	182	66	34	29	5
Biological sciences/life sciences, total	48,340	33,245	15,095	6,552	4,555	1,997	3,439	2,740	699
Biology, general	36,188	24,661	11,527	3,186	2,222	964	657	496	161
Biochemistry and biophysics	1,175	908	267	292	214	78	534	421	113
Botany, total	916	579	337	429	305	124	308	267	41
Botany, general	863	537	326	323	217	106	182	150	32
Plant pathology	29	25	4	90	75	15	82	75	7
Botany, other	24	17	7	16	13	3	44	42	2
Cell and molecular biology, total	135	89	46	30	19	11	66	45	21
Cell biology	43	24	19	5	2	3	9	8	1

Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	92	65	27	25	17	8	57	37	20
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,311	1,305	1,006	505	296	209	384	282	102
Miscellaneous biological specializations, total	644	432	212	680	413	267	410	328	82
Anatomy	2	2	0	93	70	23	115	91	24
Ecology	298	211	87	130	97	33	29	25	4
Marine biology	161	133	28	99	79	20	25	21	4
Neurosciences	20	12	8	3	2	1	16	14	2
Nutritional sciences	96	28	68	144	43	101	81	56	25
Toxicology	8	5	3	18	11	7	8	7	1
Genetics, plant and animal	46	32	14	97	44	53	93	77	16
Biometrics and biostatistics	13	9	4	71	44	27	27	23	4
Miscellaneous biological specializations, other	0	0	0	25	23	2	16	14	2
Zoology, total	6,192	4,754	1,438	1,250	960	290	919	776	143
Zoology, general	5,718	4,371	1,347	683	499	184	278	224	54
Entomology	203	182	21	198	172	26	172	162	10
Pathology, human and animal	63	50	13	66	50	16	89	80	9
Pharmacology, human and animal	1	1	0	93	73	20	153	123	30
Physiology, human and animal	207	150	57	210	166	44	227	187	40
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	779	517	262	180	126	54	161	125	36
Business management and administrative services and marketing operations/marketing and distribution, total	131,640	114,729	16,911	32,172	30,044	2,128	919	870	49
Business management and administrative services, total	116,807	101,888	14,919	30,848	28,824	2,024	860	815	45
Business, general	32,662	28,381	4,281	8,778	8,234	544	176	167	9
Business administration and management, total	36,599	33,020	3,579	14,935	14,027	908	445	424	21
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	36,599	33,020	3,579	14,935	14,027	908	445	424	21
Accounting	29,341	25,313	4,028	1,798	1,610	188	70	66	4
Administrative and secretarial services	1,756	48	1,708	29	14	15	0	0	0
Business/managerial economics	2,458	2,226	232	263	230	33	69	65	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	6,919	6,538	381	2,342	2,213	129	40	39	1
Finance, general	6,477	6,123	354	2,250	2,122	128	34	33	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	441	414	27	48	47	1	6	6	0
Investments and securities	1	1	0	44	44	0	0	0	0
Hospitality services management	1,188	1,043	145	64	62	2	1	1	0
Human resources management, total	2,339	2,089	250	746	668	78	24	20	4
Human resources management	1,122	961	161	367	325	42	5	5	0
Labor/personnel relations and studies	1,217	1,128	89	379	343	36	19	15	4
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	273	245	28	870	807	63	4	4	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	126	109	17	67	55	12	11	10	1
Business statistics	126	109	17	67	55	12	11	10	1
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	769	724	45	76	71	5	4	4	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	2,377	2,152	225	880	833	47	16	15	1
Marketing operations/marketing and distribution, total	14,833	12,841	1,992	1,324	1,220	104	59	55	4
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	14,833	12,841	1,992	1,324	1,220	104	59	55	4
Communications and communications technologies, total	17,096	10,536	6,560	2,640	1,668	972	175	146	29
Communications, total	16,250	9,952	6,298	2,503	1,582	921	168	139	29
Communications, general	4,711	2,816	1,895	940	574	366	85	64	21
Advertising	1,031	663	368	49	39	10	0	0	0
Journalism and mass communications, total	9,893	6,134	3,759	1,246	805	441	21	21	0
Journalism	6,710	3,641	3,069	998	619	379	20	20	0
Broadcast journalism	3,183	2,493	690	248	186	62	1	1	0
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	615	339	276	268	164	104	62	54	8
Communications technologies, total	846	584	262	137	86	51	7	7	0
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	846	584	262	137	86	51	7	7	0
Computer and information sciences, total	4,756	3,976	780	2,276	1,983	293	198	189	9

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Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	3,761	3,122	639	1,801	1,532	269	178	170	8
Computer programming	15	15	0	8	7	1	0	0	0
Data processing technology/technician	539	468	71	113	108	5	0	0	0
Information science and systems	338	285	53	198	186	12	13	13	0
Computer systems analysis	54	47	7	124	122	2	0	0	0
Computer and information sciences, other	49	39	10	32	28	4	7	6	1
Education, total	184,907	48,997	135,910	110,402	44,112	66,290	6,757	4,974	1,783
Education, general	3,678	681	2,997	13,413	5,239	8,174	1,754	1,258	496
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	390	93	297	2,979	1,050	1,929	568	365	203
Education administration and supervision, total	56	10	46	27,531	15,815	11,716	1,821	1,501	320
Education administration and supervision, general	5	1	4	10,087	7,610	2,477	1,162	1,029	133
Administration of special education	0	0	0	174	67	107	27	12	15
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	51	9	42	17,270	8,138	9,132	632	460	172
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	4	0	4	188	84	104	81	58	23
Educational evaluation and research, general	4	0	4	82	46	36	50	35	15
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	106	38	68	31	23	8
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	190	97	93	644	351	293	174	131	43
Special education, total	18,080	2,201	15,879	9,939	2,303	7,636	240	165	75
Special education, general	6,692	841	5,851	5,249	1,272	3,977	159	112	47
Education of the deaf and hearing impaired	476	37	439	287	53	234	6	4	2
Education of the gifted and talented	12	0	12	13	1	12	0	0	0
Education of the emotionally handicapped	915	131	784	634	194	440	18	14	4
Education of the mentally handicapped	5,517	656	4,861	1,443	401	1,042	28	15	13
Education of the multiple handicapped	173	20	153	101	12	89	1	0	1
Education of the physically handicapped	266	58	208	202	39	163	6	4	2
Education of the blind and visually handicapped	143	15	128	129	54	75	4	4	0
Education of the specific learning disabled	424	73	351	835	108	727	2	1	1
Education of the speech impaired	3,286	347	2,939	809	126	683	8	5	3
Special education, other	176	23	153	237	43	194	8	6	2
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	92,934	12,212	80,722	32,075	8,267	23,808	885	612	273
Adult and continuing education	53	16	37	579	300	279	117	93	24
Elementary education	80,220	9,575	70,645	22,022	3,850	18,172	230	117	113
Junior high/intermediate and middle school education	471	173	298	138	68	70	2	1	1
Pre-elementary/early childhood/kindergarten education	6,982	199	6,783	1,542	68	1,474	24	6	18
Secondary education	5,199	2,247	2,952	7,235	3,629	3,606	202	152	50
General teacher education, other	9	2	7	559	352	207	310	243	67
Teacher education, academic and vocational programs, total	68,544	33,398	35,146	20,461	9,596	10,865	1,067	757	310
Agricultural education (vocational)	1,106	1,085	21	471	433	38	27	27	0
Art education	5,916	1,519	4,397	1,036	308	728	49	31	18
Business education (vocational)	7,042	1,670	5,372	1,911	676	1,235	70	46	24
Driver and safety education	71	64	7	127	120	7	0	0	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	1,519	646	873	715	346	369	47	36	11
Home economics education (vocational)	5,586	23	5,563	603	7	596	20	3	17
Technology/industrial arts education	8,005	7,658	347	2,613	2,285	328	205	182	23
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	2,037	921	1,116	828	447	381	59	42	17
Music education	7,727	3,242	4,485	1,472	754	718	87	70	17
Physical education and coaching	27,723	15,979	11,744	4,689	3,088	1,601	290	203	87
Reading education	155	7	148	4,948	519	4,429	101	47	54
Science education	941	542	399	904	604	300	83	69	14
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	716	42	674	144	9	135	29	1	28
Teaching English as a second language/foreign language	44	19	25	358	120	238	0	0	0
Education, other	987	286	701	2,814	1,287	1,527	167	127	40
Engineering and engineering-related technologies, total	50,286	49,490	796	15,379	15,023	356	3,312	3,257	55
Engineering, total	42,840	42,149	691	15,170	14,823	347	3,308	3,253	55
Engineering, general	3,087	3,010	77	907	872	35	260	255	5
Aerospace, aeronautical, and astronautical engineering	1,210	1,192	18	557	548	9	173	170	3
Agricultural engineering	522	518	4	151	147	4	45	45	0
Architectural engineering	306	300	6	24	22	2	3	3	0
Bioengineering and biomedical engineering	152	148	4	142	137	5	43	42	1

Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	191	175	16	68	67	1	19	19	0
Chemical engineering	3,399	3,285	114	1,044	1,013	31	400	390	10
Civil engineering, general	8,017	7,889	128	2,652	2,603	49	368	364	4
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	11,316	11,199	117	3,499	3,444	55	705	697	8
Engineering mechanics	146	143	3	214	208	6	157	156	1
Engineering physics	281	271	10	116	115	1	21	21	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	182	172	10	570	538	32	59	56	3
Geological engineering	127	121	6	34	33	1	14	14	0
Geophysical engineering	37	35	2	13	10	3	7	7	0
Industrial/manufacturing engineering	2,870	2,827	43	1,734	1,689	45	146	144	2
Materials engineering	161	156	5	208	202	6	94	94	0
Mechanical engineering	7,677	7,615	62	1,843	1,822	21	385	379	6
Metallurgical engineering	458	448	10	216	210	6	119	116	3
Mining and mineral engineering	279	277	2	64	63	1	7	7	0
Naval architecture and marine engineering	379	376	3	55	54	1	3	3	0
Nuclear engineering	309	299	10	400	392	8	106	105	1
Ocean engineering	136	131	5	80	78	2	36	36	0
Petroleum engineering	372	369	3	66	66	0	25	24	1
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	52	49	3	22	22	0	3	3	0
Engineering, other	1,174	1,144	30	491	468	23	110	103	7
Engineering-related technologies, total	7,446	7,341	105	209	200	9	4	4	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	7,446	7,341	105	209	200	9	4	4	0
English language and literature/letters, total	54,590	20,214	34,376	9,803	3,917	5,886	1,885	1,208	677
English language and literature, general	46,332	16,650	29,682	7,332	2,870	4,462	1,439	910	529
Comparative literature	400	132	268	230	93	137	130	66	64
English composition	0	0	0	0	0	0	0	0	0
English creative writing	161	79	82	218	157	61	1	1	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	7,271	3,187	4,084	1,689	685	1,004	281	209	72
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	426	166	260	334	112	222	34	22	12
Foreign languages and literatures, total	19,719	4,874	14,845	4,545	1,623	2,922	1,114	633	481
Foreign languages and literatures, total	1,277	338	939	951	393	558	343	198	145
Foreign languages and literatures, general	848	223	625	496	186	310	198	114	84
Linguistics	429	115	314	455	207	248	145	84	61
East and southeast asian languages and literatures, total	263	102	161	45	24	21	7	5	2
Chinese	121	53	68	37	21	16	5	3	2
Japanese	142	49	93	8	3	5	2	2	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	701	292	409	153	61	92	68	44	24
Russian	624	264	360	100	40	60	27	16	11
Slavic languages (other than Russian)	77	28	49	53	21	32	41	28	13
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,458	835	1,623	557	230	327	151	85	66
German	2,425	828	1,597	550	227	323	149	83	66
Scandinavian languages	33	7	26	7	3	4	2	2	0
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	5	3	2	2	0	2	1	0	1
Romance languages and literatures, total	13,805	2,745	11,060	2,493	717	1,776	435	225	210
French	6,263	978	5,285	1,195	288	907	213	83	130
Italian	292	77	215	81	26	55	19	11	8
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	7,250	1,690	5,560	1,217	403	814	203	131	72
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	172	76	96	47	34	13	15	14	1
Arabic	20	8	12	5	4	1	1	1	0
Hebrew	152	68	84	42	30	12	14	13	1
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	883	405	478	215	110	105	64	40	24
Classics and classical languages	450	230	220	126	72	54	46	29	17
Greek (ancient and medieval)	122	68	54	26	15	11	12	8	4
Latin (ancient and medieval)	311	107	204	63	23	40	6	3	3
Foreign languages and literatures, other	155	78	77	82	54	28	30	22	8
Health professions and related sciences, total	41,459	9,388	32,071	9,599	3,819	5,780	578	447	131
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	3,278	344	2,934	1,957	292	1,665	78	50	28
Community health liason	273	184	89	1,736	931	805	113	81	32
Dentistry specialties	46	46	0	410	404	6	1	1	0
Dental services	889	21	868	18	0	18	0	0	0
Health and medical administrative services, total	605	174	431	977	775	202	21	17	4
Health care and services administration	185	153	32	976	775	201	21	17	4
Medical records administration	420	21	399	1	0	1	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	4,956	1,085	3,871	179	100	79	6	4	2
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	4,956	1,085	3,871	179	100	79	6	4	2
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	22	19	3	105	82	23	33	27	6
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	65	23	42	509	286	223	10	8	2
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	65	23	42	509	286	223	10	8	2
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	19,285	750	18,535	2,274	64	2,210	14	0	14
Optometry	309	287	22	8	7	1	7	7	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	5,613	4,160	1,453	240	196	44	132	116	16
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	3,107	512	2,595	284	100	184	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,252	114	1,138	173	66	107	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	1,855	398	1,457	111	34	77	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	104	69	35	110	95	15	46	44	2
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	2,907	1,714	1,193	792	487	305	117	92	25
Home economics and vocational home economics, total	15,336	553	14,783	1,858	164	1,694	136	46	90
Home economics, total	14,469	439	14,030	1,727	151	1,576	135	46	89
Home economics, general	5,995	106	5,889	726	23	703	21	3	18
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,280	189	3,091	412	89	323	47	26	21
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	1,906	76	1,830	396	29	367	51	17	34
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,235	26	2,209	125	2	123	15	0	15
Home economics, other	1,053	42	1,011	68	8	60	1	0	1
Vocational home economics, total	867	114	753	131	13	118	1	0	1
Consumer and homemaking education	511	18	493	100	8	92	1	0	1
Custodial, housekeeping and home services workers and managers	356	96	260	31	5	26	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	494	442	52	1,181	1,097	84	27	26	1
Law, general	450	409	41	687	625	62	27	26	1
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	44	33	11	494	472	22	0	0	0
Liberal arts and sciences, general studies, and humanities, total	13,161	7,661	5,500	2,291	1,042	1,249	90	59	31

Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	13,161	7661	5500	2,291	1042	1249	90	59	31
Liberal arts and sciences/liberal studies	9,739	5,952	3,787	1,593	673	920	20	17	3
Humanities/humanistic studies	3,422	1,709	1,713	698	369	329	70	42	28
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	1,164	86	1,078	8,134	1,803	6,331	60	36	24
Library science/librarianship	1,071	78	993	7,913	1,723	6,190	56	35	21
Library science, other	93	8	85	221	80	141	4	1	3
Mathematics, total	21,761	12,912	8,849	5,306	3,784	1,522	1,093	992	101
Mathematics	20,759	12,155	8,604	4,190	2,839	1,351	819	733	86
Applied mathematics, total	645	519	126	627	574	53	114	109	5
Applied mathematics, general	519	398	121	155	127	28	52	48	4
Operations research	126	121	5	472	447	25	62	61	1
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	257	163	94	453	345	108	147	137	10
Mathematics, other	100	75	25	36	26	10	13	13	0
Multi/interdisciplinary studies, total	11,380	7,836	3,544	1,146	822	324	106	86	20
Biological and physical sciences	4,168	3,275	893	500	370	130	15	12	3
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	7,212	4,561	2,651	646	452	194	91	74	17
Parks, recreation, leisure, and fitness studies total	3,705	2,246	1,459	440	317	123	25	22	3
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	3,705	2,246	1,459	440	317	123	25	22	3
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	9,444	6,756	2,688	1,384	964	420	557	468	89
Philosophy	5,791	4,383	1,408	663	544	119	413	346	67
Religion/religious studies	3,653	2,373	1,280	721	420	301	144	122	22
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	21,178	17,674	3,504	6,062	5,186	876	3,626	3,373	253
Physical sciences, total	21,178	17,674	3,504	6,062	5,186	876	3,626	3,373	253
Physical sciences, general	1,075	862	213	263	214	49	36	34	2
Astronomy	152	119	33	82	71	11	77	71	6
Astrophysics	27	25	2	7	6	1	6	6	0
Atmospheric science and meteorology	294	279	15	195	188	7	54	52	2
Chemistry, total	10,438	8,353	2,085	2,125	1,661	464	1,823	1,650	173
Chemistry, general	10,348	8,278	2,070	2,008	1,570	438	1,630	1,480	150
Analytical chemistry	0	0	0	2	1	1	4	4	0
Inorganic chemistry	0	0	0	3	2	1	13	12	1
Organic chemistry	76	64	12	48	44	4	65	59	6
Medicinal/pharmaceutical chemistry	8	5	3	43	29	14	68	61	7
Chemistry, other	6	6	0	21	15	6	43	34	9
Geological and related sciences, total	3,253	2,720	533	938	839	99	315	305	10
Geology	3,148	2,628	520	870	780	90	258	248	10
Geochemistry	21	15	6	12	9	3	10	10	0
Geophysics and seismology	84	77	7	56	50	6	47	47	0
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,578	1,311	267	661	559	102	151	143	8
Metallurgy	11	10	1	29	29	0	14	14	0
Oceanography	237	223	14	194	183	11	70	65	5
Earth science	1,028	825	203	343	263	80	30	27	3
Miscellaneous physical sciences, other	302	253	49	95	84	11	37	37	0
Physics, total	3,952	3,618	334	1,655	1,520	135	1,115	1,068	47
Physics, general	3,926	3,600	326	1,638	1,507	131	1,100	1,053	47
Physics, other	26	18	8	17	13	4	15	15	0
Physical sciences, other	409	387	22	136	128	8	49	44	5
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	8,257	7,103	1,154	561	486	75	3	2	1
Criminal justice, total	8,257	7,103	1,154	561	486	75	3	2	1
Corrections/correctional administration	8,257	7,103	1,154	561	486	75	3	2	1
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	52,139	25,868	26,271	8,796	4,983	3,813	2,872	1,987	885
Psychology, general	50,641	25,273	25,368	4,682	2,888	1,794	1,723	1,217	506
Clinical psychology	85	41	44	459	275	184	277	196	81
Counseling psychology	31	15	16	846	475	371	53	41	12
Developmental and child psychology	383	49	334	113	52	61	62	31	31
Experimental psychology	98	67	31	69	49	20	71	54	17
Industrial and organizational psychology	42	25	17	47	36	11	7	7	0

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Table 19.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1973–74—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	16	6	10	5	1	4	7	5	2
Social psychology	365	151	214	58	32	26	58	42	16
School psychology	318	163	155	2,208	1,012	1,196	536	342	194
Psychology, other	160	78	82	309	163	146	78	52	26
Public administration and services, total	11,966	4,266	7,700	11,415	6,028	5,387	201	154	47
Community organization, resources and services	1,002	454	548	107	73	34	9	6	3
Public administration	1,005	874	131	3,253	2,785	468	76	67	9
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	9,668	2,781	6,887	7,783	2,947	4,836	109	76	33
Public administration and services, other	291	157	134	272	223	49	7	5	2
R.O.T.C. and military technologies, total	147	146	1	0	0	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	68	67	1	0	0	0	0	0	0
Military technologies, total	79	79	0	0	0	0	0	0	0
Social sciences and history, total	150,320	95,650	54,670	17,293	12,321	4,972	4,124	3,383	741
Social sciences, general	16,851	9,455	7,396	2,319	1,468	851	67	53	14
Anthropology	5,992	2,669	3,323	885	497	388	376	259	117
Archeology	78	26	52	11	1	10	12	6	6
Criminology	1,497	1,123	374	140	118	22	19	17	2
Demography and population studies	19	11	8	37	19	18	9	6	3
Economics	14,285	12,205	2,080	2,141	1,838	303	788	713	75
Geography, total	4,231	3285	946	763	618	145	217	199	18
Geography	4,231	3,285	946	763	618	145	217	199	18
Cartography	0	0	0	0	0	0	0	0	0
History	37,049	24,660	12,389	4,533	3,111	1,422	1,114	913	201
International relations and affairs	1,215	828	387	750	630	120	77	74	3
Political science and government, general	30,744	24,594	6,150	2,448	1,992	456	766	655	111
Sociology	35,491	15,199	20,292	2,196	1,327	869	632	455	177
Urban affairs/studies	1,289	797	492	794	534	260	7	6	1
Social sciences and history, other	1,579	798	781	276	168	108	40	27	13
Theological studies and religious vocations, total	4,218	3,027	1,191	2,898	2,110	788	768	746	22
Biblical and other theological languages and literatures	78	57	21	76	72	4	4	4	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,301	670	631	1,229	688	541	35	32	3
Religious/sacred music	160	79	81	145	112	33	4	4	0
Theology and theological studies	2,517	2,110	407	1,340	1,147	193	685	668	17
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	162	111	51	108	91	17	40	38	2
Transportation and material moving workers, total	787	757	30	109	109	0	2	2	0
Water transportation workers	169	169	0	0	0	0	0	0	0
Transportation and material moving, other	618	588	30	109	109	0	2	2	0
Visual and performing arts, total	39,730	15,821	23,909	8,001	4,325	3,676	585	440	145
Visual and performing arts, general	4,873	1,765	3,108	817	432	385	36	23	13
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	516	75	441	142	16	126	1	0	1
Design and applied art	3,003	1,177	1,826	204	116	88	1	1	0
Dramatic/theater arts and stagecraft	5,397	2,299	3,098	1,250	670	580	74	56	18
Film/video and photographic arts, total	1,001	819	182	200	153	47	2	2	0
Film-video making/cinematography and production	338	272	66	141	103	38	2	2	0
Photography	663	547	116	59	50	9	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	16,378	5,701	10,677	2,215	1,196	1,019	77	41	36
Art, general	14,252	5,284	8,968	1,888	1,095	793	10	8	2
Art history,criticism and conservation	2,126	417	1,709	327	101	226	67	33	34
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	7,865	3,549	4,316	3,005	1,650	1,355	385	312	73
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	164	74	90	134	62	72	46	32	14
Music, general performance	4,436	2,045	2,391	2,271	1,255	1,016	257	216	41
Music theory and composition	3,265	1,430	1,835	600	333	267	82	64	18
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	697	436	261	168	92	76	9	5	4

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1973–74" survey. (This table was prepared September, 1993.)

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**922,933**	**504,841**	**418,092**	**292,450**	**161,570**	**130,880**	**34,083**	**26,817**	**7,266**
Agriculture and natural resources, total	17,528	15,061	2,467	3,067	2,703	364	991	958	33
Agricultural business and production, total	6,780	5,967	813	1,286	1,152	134	410	400	10
Agricultural business and management, total	4,630	4,329	301	910	845	65	311	306	5
Agricultural business and management, general	1,716	1,543	173	237	215	22	6	6	0
Agricultural business/agribusiness operations	1,662	1,580	82	287	270	17	146	143	3
Agricultural economics	1,039	995	44	386	360	26	159	157	2
Agricultural business and management, other	213	211	2	0	0	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	1,246	851	395	213	174	39	83	80	3
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	904	787	117	163	133	30	16	14	2
Agricultural sciences, total	4,770	3,752	1,018	901	767	134	347	331	16
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	3,729	2,930	799	492	426	66	172	165	7
Animal sciences, general	3,394	2,640	754	399	339	60	131	126	5
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	255	222	33	60	56	4	22	22	0
Poultry science	80	68	12	33	31	2	19	17	2
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	481	320	161	241	181	60	76	67	9
Plant sciences, total	203	194	9	63	62	1	7	7	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	203	194	9	63	62	1	7	7	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	357	308	49	105	98	7	92	92	0
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	5,978	5,342	636	880	784	96	234	227	7
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	1,661	1,354	307	221	197	24	54	53	1
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	143	125	18	14	14	0	10	9	1
Forestry, general	2,634	2,484	150	393	344	49	107	103	4
Wildlife and wildlands management	1,540	1,379	161	252	229	23	63	62	1
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	8,226	6,791	1,435	2,938	2,343	595	69	58	11
Architecture	4,908	4,477	431	990	865	125	14	9	5
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,166	883	283	88	52	36	2	2	0
Interior architecture	631	130	501	20	8	12	0	0	0
Landscape architecture	734	631	103	248	199	49	0	0	0
Architectural urban design and planning	394	306	88	1,519	1,163	356	49	43	6
Architecture and related programs, other	393	364	29	73	56	17	4	4	0
Area, ethnic, and cultural studies, total	3,544	1,637	1,907	1,166	663	503	165	127	38
Area studies, total	2,790	1,259	1,531	873	492	381	120	94	26
African studies	25	14	11	40	28	12	12	10	2
American studies/civilization	1,756	789	967	316	158	158	75	56	19
Latin American studies	288	119	169	152	94	58	3	2	1
Middle Eastern studies	63	26	37	12	10	2	9	8	1
Russian and Slavic studies	133	58	75	80	43	37	5	4	1
Asian studies	415	196	219	247	147	100	10	9	1
European studies	109	56	53	22	12	10	2	1	1
Area studies, other	1	1	0	4	0	4	4	4	0
Ethnic and cultural studies, total	509	268	241	32	17	15	0	0	0
Afro-American (black) studies	368	188	180	29	15	14	0	0	0
Hispanic-American studies	119	72	47	3	2	1	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	22	8	14	0	0	0	0	0	0
Area, ethnic and cultural studies, other	245	110	135	261	154	107	45	33	12
Biological sciences/life sciences, total	51,741	34,612	17,129	6,550	4,587	1,963	3,384	2,641	743
Biology, general	38,748	25,788	12,960	3,109	2,162	947	637	457	180
Biochemistry and biophysics	1,430	1,061	369	319	233	86	516	407	109
Botany, total	1,069	685	384	428	292	136	289	250	39
Botany, general	952	600	352	298	186	112	174	144	30
Plant pathology	63	51	12	100	82	18	91	85	6
Botany, other	54	34	20	30	24	6	24	21	3
Cell and molecular biology, total	91	58	33	30	21	9	71	54	17
Cell biology	30	20	10	10	6	4	18	15	3

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	61	38	23	20	15	5	53	39	14
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,767	1,538	1,229	552	371	181	345	255	90
Miscellaneous biological specializations, total	951	624	327	681	406	275	437	331	106
Anatomy	1	1	0	84	65	19	116	91	25
Ecology	331	254	77	133	93	40	41	38	3
Marine biology	272	220	52	80	75	5	15	13	2
Neurosciences	33	21	12	7	3	4	19	14	5
Nutritional sciences	132	32	100	121	33	88	50	29	21
Toxicology	11	7	4	8	7	1	7	6	1
Genetics, plant and animal	108	57	51	123	54	69	127	93	34
Biometrics and biostatistics	14	6	8	86	51	35	31	24	7
Miscellaneous biological specializations, other	49	26	23	39	25	14	31	23	8
Zoology, total	6,116	4,507	1,609	1,216	937	279	920	760	160
Zoology, general	5,603	4,106	1,497	608	463	145	284	216	68
Entomology	223	186	37	230	197	33	172	162	10
Pathology, human and animal	2	1	1	83	52	31	65	59	6
Pharmacology, human and animal	4	0	4	94	64	30	158	130	28
Physiology, human and animal	284	214	70	201	161	40	241	193	48
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	569	351	218	215	165	50	169	127	42
Business management and administrative services and marketing operations/marketing and distribution, total	132,731	111,144	21,587	35,758	32,732	3,026	936	897	39
Business management and administrative services, total	118,817	99,569	19,248	34,511	31,592	2,919	908	871	37
Business, general	31,209	26,155	5,054	8,442	7,744	698	208	204	4
Business administration and management, total	38,859	33,705	5,154	17,912	16,464	1,448	464	448	16
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	38,859	33,705	5,154	17,912	16,464	1,448	464	448	16
Accounting	31,116	25,601	5,515	2,227	1,948	279	60	56	4
Administrative and secretarial services	1,551	46	1,505	7	0	7	0	0	0
Business/managerial economics	2,339	2,060	279	301	264	37	69	61	8
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	7,043	6,389	654	2,567	2,384	183	35	34	1
Finance, general	6,556	5,939	617	2,493	2,318	175	33	32	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	483	446	37	31	28	3	2	2	0
Investments and securities	4	4	0	43	38	5	0	0	0
Hospitality services management	1,236	1,041	195	46	40	6	0	0	0
Human resources management, total	2,245	1,889	356	941	840	101	32	30	2
Human resources management	1,139	919	220	437	407	30	3	3	0
Labor/personnel relations and studies	1,106	970	136	504	433	71	29	27	2
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	375	323	52	940	847	93	8	8	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	95	75	20	80	65	15	8	8	0
Business statistics	95	75	20	80	65	15	8	8	0
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	702	644	58	80	78	2	3	3	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	2,047	1,641	406	968	918	50	21	19	2
Marketing operations/marketing and distribution, total	13,914	11,575	2,339	1,247	1,140	107	28	26	2
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	13,914	11,575	2,339	1,247	1,140	107	28	26	2
Communications and communications technologies, total	19,248	11,455	7,793	2,794	1,618	1,176	165	119	46
Communications, total	18,156	10,706	7,450	2,644	1,554	1,090	162	118	44
Communications, general	6,206	3,512	2,694	1,190	674	516	120	81	39
Advertising	1,162	739	423	67	42	25	0	0	0
Journalism and mass communications, total	10,418	6,267	4,151	1,209	736	473	34	31	3
Journalism	7,092	3,760	3,332	973	557	416	28	26	2
Broadcast journalism	3,326	2,507	819	236	179	57	6	5	1
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	370	188	182	178	102	76	8	6	2
Communications technologies, total	1,092	749	343	150	64	86	3	1	2
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,092	749	343	150	64	86	3	1	2
Computer and information sciences, total	5,033	4,080	953	2,299	1,961	338	213	199	14

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	4,127	3,324	803	1,921	1,610	311	196	184	12
Computer programming	5	5	0	0	0	0	0	0	0
Data processing technology/technician	410	337	73	114	110	4	0	0	0
Information science and systems	308	268	40	147	130	17	17	15	2
Computer systems analysis	138	112	26	79	74	5	0	0	0
Computer and information sciences, other	45	34	11	38	37	1	0	0	0
Education, total	166,758	44,463	122,295	117,841	44,430	73,411	6,975	4,856	2,119
Education, general	3,435	875	2,560	16,275	6,179	10,096	1,682	1,139	543
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	371	88	283	3,155	1,050	2,105	599	385	214
Education administration and supervision, total	180	68	112	28,003	15,715	12,288	2,017	1,593	424
Education administration and supervision, general	69	32	37	11,363	8,264	3,099	1,376	1,142	234
Administration of special education	0	0	0	213	48	165	10	7	3
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	111	36	75	16,427	7,403	9,024	631	444	187
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	0	0	0	177	77	100	79	54	25
Educational evaluation and research, general	0	0	0	77	42	35	47	31	16
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	100	35	65	32	23	9
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	109	65	44	619	327	292	172	110	62
Special education, total	18,292	2,130	16,162	11,396	2,360	9,036	234	128	106
Special education, general	7,761	996	6,765	6,135	1,370	4,765	170	94	76
Education of the deaf and hearing impaired	456	30	426	373	69	304	3	1	2
Education of the gifted and talented	17	0	17	3	1	2	0	0	0
Education of the emotionally handicapped	780	82	698	690	190	500	3	1	2
Education of the mentally handicapped	5,033	619	4,414	1,361	328	1,033	25	15	10
Education of the multiple handicapped	141	12	129	117	14	103	1	1	0
Education of the physically handicapped	214	37	177	246	37	209	4	3	1
Education of the blind and visually handicapped	125	12	113	163	32	131	1	0	1
Education of the specific learning disabled	603	93	510	1,248	151	1,097	5	1	4
Education of the speech impaired	3,052	244	2,808	801	116	685	15	8	7
Special education, other	110	5	105	259	52	207	7	4	3
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	79,917	10,770	69,147	32,565	7,712	24,853	915	601	314
Adult and continuing education	20	8	12	613	316	297	87	64	23
Elementary education	68,653	8,484	60,169	22,060	3,514	18,546	191	94	97
Junior high/intermediate and middle school education	381	137	244	142	66	76	0	0	0
Pre-elementary/early childhood/kindergarten education	6,290	177	6,113	1,984	89	1,895	44	10	34
Secondary education	4,563	1,962	2,601	7,240	3,426	3,814	185	132	53
General teacher education, other	10	2	8	526	301	225	408	301	107
Teacher education, academic and vocational programs, total	62,818	30,083	32,735	21,536	9,310	12,226	990	657	333
Agricultural education (vocational)	1,086	1,021	65	385	375	10	26	25	1
Art education	5,183	1,263	3,920	1,043	338	705	48	28	20
Business education (vocational)	6,194	1,387	4,807	1,958	636	1,322	86	63	23
Driver and safety education	104	99	5	201	193	8	5	5	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	1,852	742	1,110	1,024	493	531	46	28	18
Home economics education (vocational)	5,009	10	4,999	756	12	744	19	0	19
Technology/industrial arts education	7,456	7,054	402	2,629	2,199	430	211	171	40
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	1,938	817	1,121	760	372	388	64	50	14
Music education	8,046	3,384	4,662	1,384	705	679	64	49	15
Physical education and coaching	24,614	13,802	10,812	4,405	2,846	1,559	237	153	84
Reading education	120	3	117	5,931	649	5,282	84	33	51
Science education	883	497	386	820	484	336	57	52	5
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	333	4	329	240	8	232	43	0	43
Teaching English as a second language/foreign language	46	10	36	391	112	279	3	0	3
Education, other	1,590	374	1,216	3,724	1,588	2,136	284	189	95
Engineering and engineering-related technologies, total	46,852	45,838	1,014	15,348	14,973	375	3,108	3,042	66
Engineering, total	39,388	38,566	822	15,127	14,756	371	3,106	3,040	66
Engineering, general	2,893	2,788	105	1,149	1,113	36	287	278	9
Aerospace, aeronautical, and astronautical engineering	1,174	1,150	24	477	470	7	163	161	2
Agricultural engineering	417	413	4	135	135	0	52	50	2
Architectural engineering	283	277	6	30	30	0	0	0	0
Bioengineering and biomedical engineering	151	144	7	161	153	8	55	52	3

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Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	143	131	12	49	49	0	14	14	0
Chemical engineering	3,070	2,935	135	990	965	25	348	342	4
Civil engineering, general	7,651	7,509	142	2,769	2,695	74	356	347	9
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	10,161	10,033	128	3,469	3,411	58	701	690	11
Engineering mechanics	140	138	2	172	167	5	123	122	1
Engineering physics	261	251	10	43	39	4	25	25	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	216	199	17	467	434	33	55	54	1
Geological engineering	115	110	5	44	43	1	7	7	0
Geophysical engineering	33	31	2	19	18	1	11	10	1
Industrial/manufacturing engineering	2,522	2,470	52	1,687	1,631	56	119	114	5
Materials engineering	157	150	7	198	189	9	97	92	5
Mechanical engineering	6,890	6,808	82	1,858	1,843	15	340	336	4
Metallurgical engineering	393	377	16	224	217	7	99	98	1
Mining and mineral engineering	308	304	4	59	59	0	15	15	0
Naval architecture and marine engineering	419	417	2	69	69	0	14	14	0
Nuclear engineering	361	349	12	424	415	9	93	90	3
Ocean engineering	210	202	8	99	99	0	28	28	0
Petroleum engineering	278	272	6	88	86	2	23	22	1
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	29	28	1	14	14	0	1	1	0
Engineering, other	1,113	1,080	33	433	412	21	82	78	4
Engineering-related technologies, total	7,464	7,272	192	221	217	4	2	2	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	7,464	7,272	192	221	217	4	2	2	0
English language and literature/letters, total	47,619	17,880	29,739	9,444	3,569	5,875	1,711	1,025	686
English language and literature, general	39,007	14,152	24,855	7,027	2,636	4,391	1,312	784	528
Comparative literature	557	191	366	266	106	160	116	51	65
English composition	0	0	0	0	0	0	0	0	0
English creative writing	252	126	126	209	133	76	5	3	2
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	7,032	3,082	3,950	1,716	649	1,067	247	168	79
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	771	329	442	226	45	181	31	19	12
Foreign languages and literatures, total	18,521	4,508	14,013	4,431	1,542	2,889	1,097	608	489
Foreign languages and literatures, total	1,339	344	995	1,009	395	614	342	215	127
Foreign languages and literatures, general	905	215	690	503	168	335	176	108	68
Linguistics	434	129	305	506	227	279	166	107	59
East and southeast asian languages and literatures, total	258	112	146	47	21	26	17	12	5
Chinese	141	75	66	26	15	11	12	8	4
Japanese	117	37	80	21	6	15	5	4	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	666	288	378	181	82	99	47	29	18
Russian	598	256	342	106	46	60	20	14	6
Slavic languages (other than Russian)	68	32	36	75	36	39	27	15	12
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,323	776	1,547	488	194	294	149	84	65
German	2,289	765	1,524	480	191	289	147	83	64
Scandinavian languages	34	11	23	8	3	5	2	1	1
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	7	5	2	2	0	2	2	2	0
Romance languages and literatures, total	12,793	2,444	10,349	2,405	679	1,726	415	186	229
French	5,745	882	4,863	1,077	239	838	200	70	130
Italian	329	82	247	100	33	67	13	9	4
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	6,719	1,480	5,239	1,228	407	821	202	107	95
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	163	72	91	46	35	11	23	21	2
Arabic	13	9	4	11	10	1	2	2	0
Hebrew	150	63	87	35	25	10	21	19	2
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	802	396	406	187	91	96	78	48	30
Classics and classical languages	481	258	223	118	57	61	74	46	28
Greek (ancient and medieval)	113	64	49	17	11	6	2	1	1
Latin (ancient and medieval)	208	74	134	52	23	29	2	1	1
Foreign languages and literatures, other	170	71	99	66	45	21	24	11	13
Health professions and related sciences, total	49,090	10,930	38,160	10,692	4,092	6,600	618	441	177
Chiropractic	0	0	0	20	8	12	0	0	0
Communication disorders sciences and services	3,732	387	3,345	2,364	363	2,001	71	41	30
Community health liason	370	205	165	1,927	1,017	910	127	84	43
Dentistry specialties	96	92	4	440	426	14	1	1	0
Dental services	1,038	12	1,026	33	5	28	0	0	0
Health and medical administrative services, total	822	243	579	1,033	809	224	14	14	0
Health care and services administration	306	207	99	987	795	192	13	13	0
Medical records administration	516	36	480	46	14	32	1	1	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,228	1,204	4,024	190	108	82	2	2	0
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,228	1,204	4,024	190	108	82	2	2	0
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	10	6	4	105	94	11	21	17	4
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	232	75	157	791	382	409	9	4	5
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	232	75	157	791	382	409	9	4	5
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	23,713	1,095	22,618	2,204	66	2,138	16	0	16
Optometry	320	255	65	8	7	1	0	0	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,336	4,621	1,715	285	210	75	206	160	46
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	3,462	610	2,852	273	68	205	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,385	111	1,274	140	20	120	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,077	499	1,578	133	48	85	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	36	28	8	98	85	13	37	31	6
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	3,695	2,097	1,598	921	444	477	114	87	27
Home economics and vocational home economics, total	16,772	680	16,092	1,901	203	1,698	156	51	105
Home economics, total	15,634	490	15,144	1,762	191	1,571	150	48	102
Home economics, general	5,745	66	5,679	659	24	635	22	6	16
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,648	216	3,432	423	87	336	60	22	38
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	2,389	130	2,259	453	65	388	50	18	32
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,731	27	2,704	141	2	139	11	1	10
Home economics, other	1,121	51	1,070	86	13	73	7	1	6
Vocational home economics, total	1,138	190	948	139	12	127	6	3	3
Consumer and homemaking education	724	58	666	114	8	106	5	3	2
Custodial, housekeeping and home services workers and managers	414	132	282	25	4	21	1	0	1
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	436	374	62	1,245	1,145	100	21	21	0
Law, general	416	359	57	631	576	55	21	21	0
Pre-law studies	0	0	0	0	0	0	0	0	.....
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	20	15	5	614	569	45	0	0	0
Liberal arts and sciences, general studies, and humanities, total	16,553	8,775	7,778	2,394	971	1,423	82	48	34

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	16,553	8775	7778	2,394	971	1423	82	48	34
Liberal arts and sciences/liberal studies	13,032	7,174	5,858	1,630	624	1,006	16	11	5
Humanities/humanistic studies	3,521	1,601	1,920	764	347	417	66	37	29
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	1,069	80	989	8,091	1,719	6,372	56	33	23
Library science/librarianship	1,032	76	956	8,008	1,691	6,317	54	31	23
Library science, other	37	4	33	83	28	55	2	2	0
Mathematics, total	18,460	10,853	7,607	4,816	3,358	1,458	1,048	936	112
Mathematics	17,446	10,063	7,383	3,750	2,464	1,286	781	690	91
Applied mathematics, total	768	622	146	599	540	59	108	103	5
Applied mathematics, general	489	355	134	110	87	23	35	32	3
Operations research	279	267	12	489	453	36	73	71	2
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	213	145	68	449	340	109	158	142	16
Mathematics, other	33	23	10	18	14	4	1	1	0
Multi/interdisciplinary studies, total	11,664	7,592	4,072	1,174	894	280	188	148	40
Biological and physical sciences	3,845	2,913	932	340	243	97	36	28	8
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	7,819	4,679	3,140	834	651	183	152	120	32
Parks, recreation, leisure, and fitness studies, total	4,518	2,567	1,951	604	413	191	14	11	3
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	4,518	2,567	1,951	604	413	191	14	11	3
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	8,997	6,396	2,601	1,402	927	475	544	470	74
Philosophy	5,330	3,990	1,340	698	554	144	375	318	57
Religion/religious studies	3,667	2,406	1,261	704	373	331	169	152	17
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	20,778	16,992	3,786	5,807	4,969	838	3,626	3,325	301
Physical sciences, total	20,778	16,992	3,786	5,807	4,969	838	3,626	3,325	301
Physical sciences, general	952	778	174	285	214	71	16	13	3
Astronomy	115	95	20	110	96	14	77	67	10
Astrophysics	28	20	8	3	2	1	11	11	0
Atmospheric science and meteorology	306	285	21	183	173	10	47	45	2
Chemistry, total	10,549	8,210	2,339	1,986	1,580	406	1,822	1,618	204
Chemistry, general	10,409	8,099	2,310	1,871	1,484	387	1,660	1,477	183
Analytical chemistry	0	0	0	13	10	3	15	13	2
Inorganic chemistry	24	20	4	11	8	3	16	14	2
Organic chemistry	103	80	23	55	51	4	54	48	6
Medicinal/pharmaceutical chemistry	8	6	2	25	20	5	49	41	8
Chemistry, other	5	5	0	11	7	4	28	25	3
Geological and related sciences, total	3,319	2,744	575	932	816	116	292	279	13
Geology	3,243	2,676	567	878	768	110	246	235	11
Geochemistry	5	4	1	7	4	3	9	9	0
Geophysics and seismology	71	64	7	47	44	3	37	35	2
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,506	1,242	264	580	498	82	200	190	10
Metallurgy	18	18	0	29	28	1	10	10	0
Oceanography	253	235	18	169	157	12	95	89	6
Earth science	991	779	212	214	158	56	37	35	2
Miscellaneous physical sciences, other	244	210	34	168	155	13	58	56	2
Physics, total	3,706	3,347	359	1,574	1,450	124	1,080	1,028	52
Physics, general	3,645	3,294	351	1,554	1,434	120	1,063	1,011	52
Physics, other	61	53	8	20	16	4	17	17	0
Physical sciences, other	297	271	26	154	140	14	81	74	7
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	9,956	8,284	1,672	993	854	139	11	11	0
Criminal justice, total	9,956	8,284	1,672	993	854	139	11	11	0
Corrections/correctional administration	9,956	8,284	1,672	993	854	139	11	11	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	51,245	24,284	26,961	9,394	5,035	4,359	2,913	1,979	934
Psychology, general	49,839	23,744	26,095	4,834	2,878	1,956	1,856	1,276	580
Clinical psychology	20	9	11	512	293	219	253	183	70
Counseling psychology	153	75	78	1,158	563	595	63	38	25
Developmental and child psychology	377	65	312	91	40	51	57	33	24
Experimental psychology	124	86	38	87	58	29	80	66	14
Industrial and organizational psychology	17	11	6	60	39	21	7	6	1

Table 20.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1974–75—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	40	17	23	8	6	2	17	11	6
Social psychology	306	133	173	121	72	49	66	45	21
School psychology	257	94	163	2,328	991	1,337	471	291	180
Psychology, other	112	50	62	195	95	100	43	30	13
Public administration and services, total	13,661	4,630	9,031	13,617	7,200	6,417	257	192	65
Community organization, resources and services	1,175	469	706	338	233	105	10	6	4
Public administration	1,471	1,178	293	4,128	3,390	738	84	74	10
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	10,351	2,671	7,680	8,763	3,311	5,452	135	87	48
Public administration and services, other	664	312	352	388	266	122	28	25	3
R.O.T.C. and military technologies, total	173	173	0	0	0	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	92	92	0	0	0	0	0	0	0
Military technologies, total	81	81	0	0	0	0	0	0	0
Social sciences and history, total	135,190	84,826	50,364	16,977	11,875	5,102	4,212	3,334	878
Social sciences, general	13,776	7,677	6,099	2,197	1,389	808	72	48	24
Anthropology	5,609	2,405	3,204	993	520	473	386	250	136
Archeology	78	27	51	19	7	12	9	5	4
Criminology	1,826	1,312	514	296	249	47	10	8	2
Demography and population studies	41	17	24	23	15	8	3	2	1
Economics	14,046	11,629	2,417	2,127	1,802	325	815	742	73
Geography, total	3,950	3051	899	721	589	132	212	199	13
Geography	3,950	3,051	899	721	589	132	212	199	13
Cartography	0	0	0	0	0	0	0	0	0
History	31,470	20,756	10,714	4,226	2,874	1,352	1,117	876	241
International relations and affairs	1,047	669	378	758	569	189	83	69	14
Political science and government, general	29,126	22,573	6,553	2,333	1,857	476	680	569	111
Sociology	31,488	13,209	18,279	2,112	1,304	808	693	484	209
Urban affairs/studies	1,441	834	607	886	515	371	16	12	4
Social sciences and history, other	1,292	667	625	286	185	101	116	70	46
Theological studies and religious vocations, total	4,809	3,490	1,319	3,228	2,230	998	872	839	33
Biblical and other theological languages and literatures	25	24	1	24	24	0	7	6	1
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,350	701	649	1,314	638	676	28	22	6
Religious/sacred music	187	100	87	130	89	41	4	4	0
Theology and theological studies	2,770	2,293	477	1,583	1,354	229	783	765	18
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	477	372	105	177	125	52	50	42	8
Transportation and material moving workers, total	979	914	65	117	116	1	2	2	0
Water transportation workers	167	167	0	0	0	0	0	0	0
Transportation and material moving, other	812	747	65	117	116	1	2	2	0
Visual and performing arts, total	40,782	15,532	25,250	8,362	4,448	3,914	649	446	203
Visual and performing arts, general	5,032	1,794	3,238	779	438	341	51	24	27
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	649	55	594	156	14	142	3	0	3
Design and applied art	3,245	1,191	2,054	212	136	76	0	0	0
Dramatic/theater arts and stagecraft	5,451	2,250	3,201	1,348	716	632	92	70	22
Film/video and photographic arts, total	1,105	899	206	186	137	49	1	1	0
Film-video making/cinematography and production	426	350	76	122	89	33	1	1	0
Photography	679	549	130	64	48	16	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	16,162	5,281	10,881	2,479	1,250	1,229	96	43	53
Art, general	14,086	4,890	9,196	2,149	1,171	978	14	5	9
Art history,criticism and conservation	2,076	391	1,685	330	79	251	82	38	44
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	8,663	3,871	4,792	3,104	1,715	1,389	403	305	98
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	174	67	107	112	51	61	65	51	14
Music, general performance	4,791	2,150	2,641	2,260	1,235	1,025	228	174	54
Music theory and composition	3,698	1,654	2,044	732	429	303	110	80	30
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	475	191	284	98	42	56	3	3	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1974–75" survey. (This table was prepared September, 1993.)

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**925,746**	**504,925**	**420,821**	**311,771**	**167,248**	**144,523**	**34,064**	**26,267**	**7,797**
Agriculture and natural resources, total	19,402	15,845	3,557	3,340	2,862	478	928	867	61
Agricultural business and production, total	7,617	6,368	1,249	1,439	1,266	173	421	401	20
Agricultural business and management, total	5,080	4,603	477	1,120	1,014	106	345	332	13
Agricultural business and management, general	1,730	1,508	222	323	290	33	6	5	1
Agricultural business/agribusiness operations	1,875	1,724	151	329	308	21	179	174	5
Agricultural economics	1,168	1,089	79	465	413	52	160	153	7
Agricultural business and management, other	307	282	25	3	3	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	1,802	1,138	664	230	177	53	61	55	6
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	735	627	108	89	75	14	15	14	1
Agricultural sciences, total	5,443	4,026	1,417	994	803	191	318	287	31
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,255	3,153	1,102	552	467	85	166	154	12
Animal sciences, general	3,868	2,816	1,052	442	375	67	135	125	10
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	296	262	34	77	62	15	21	19	2
Poultry science	91	75	16	33	30	3	10	10	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	580	371	209	282	188	94	81	64	17
Plant sciences, total	174	159	15	39	37	2	18	18	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	174	159	15	39	37	2	18	18	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	434	343	91	121	111	10	53	51	2
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	6,342	5,451	891	907	793	114	189	179	10
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	2,038	1,597	441	223	178	45	38	35	3
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	167	151	16	23	20	3	5	5	0
Forestry, general	2,660	2,430	230	405	361	44	92	88	4
Wildlife and wildlands management	1,477	1,273	204	256	234	22	54	51	3
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,148	7,396	1,750	3,215	2,545	670	82	69	13
Architecture	5,607	5,118	489	1,318	1,130	188	18	15	3
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,222	932	290	76	54	22	6	5	1
Interior architecture	786	112	674	13	3	10	1	1	0
Landscape architecture	948	788	160	217	157	60	0	0	0
Architectural urban design and planning	449	336	113	1,564	1,179	385	51	45	6
Architecture and related programs, other	134	110	24	27	22	5	6	3	3
Area, ethnic, and cultural studies, total	3,577	1,612	1,965	995	543	452	188	125	63
Area studies, total	2,816	1,265	1,551	804	446	358	150	103	47
African studies	14	5	9	25	15	10	8	6	2
American studies/civilization	1,715	775	940	296	142	154	100	69	31
Latin American studies	302	136	166	152	85	67	6	5	1
Middle Eastern studies	81	34	47	23	14	9	9	7	2
Russian and Slavic studies	126	60	66	47	30	17	6	4	2
Asian studies	464	220	244	246	153	93	20	12	8
European studies	113	34	79	8	2	6	1	0	1
Area studies, other	1	1	0	7	5	2	0	0	0
Ethnic and cultural studies, total	498	247	251	50	26	24	6	1	5
Afro-American (black) studies	396	194	202	40	19	21	6	1	5
Hispanic-American studies	89	45	44	3	2	1	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	13	8	5	7	5	2	0	0	0
Area, ethnic and cultural studies, other	263	100	163	141	71	70	32	21	11
Biological sciences/life sciences, total	54,275	35,520	18,755	6,582	4,497	2,085	3,392	2,663	729
Biology, general	40,163	26,188	13,975	3,177	2,197	980	624	448	176
Biochemistry and biophysics	1,708	1,217	491	307	224	83	516	413	103
Botany, total	1,178	675	503	451	313	138	305	253	52
Botany, general	1,031	588	443	306	205	101	208	163	45
Plant pathology	76	57	19	118	90	28	77	71	6
Botany, other	71	30	41	27	18	9	20	19	1
Cell and molecular biology, total	252	156	96	32	23	9	96	76	20
Cell biology	61	32	29	9	5	4	25	18	7

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	191	124	67	23	18	5	71	58	13
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,927	1,606	1,321	585	371	214	364	272	92
Miscellaneous biological specializations, total	1,339	906	433	728	411	317	427	319	108
Anatomy	3	1	2	93	63	30	123	88	35
Ecology	586	449	137	149	103	46	43	36	7
Marine biology	429	323	106	133	111	22	18	16	2
Neurosciences	69	49	20	4	3	1	34	25	9
Nutritional sciences	121	22	99	125	31	94	45	32	13
Toxicology	9	6	3	9	8	1	7	5	2
Genetics, plant and animal	109	49	60	115	43	72	121	89	32
Biometrics and biostatistics	13	7	6	77	33	44	26	21	5
Miscellaneous biological specializations, other	0	0	0	23	16	7	10	7	3
Zoology, total	6,105	4,397	1,708	1,153	862	291	909	765	144
Zoology, general	5,492	3,935	1,557	528	380	148	276	234	42
Entomology	272	217	55	219	181	38	143	132	11
Pathology, human and animal	13	9	4	101	70	31	101	76	25
Pharmacology, human and animal	15	10	5	76	55	21	163	142	21
Physiology, human and animal	313	226	87	229	176	53	226	181	45
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	603	375	228	149	96	53	151	117	34
Business management and administrative services and marketing operations/marketing and distribution, total	142,034	113,954	28,080	42,054	37,145	4,909	900	851	49
Business management and administrative services, total	127,385	102,501	24,884	40,872	36,141	4,731	857	808	49
Business, general	30,139	24,083	6,055	8,413	7,427	986	129	121	8
Business administration and management, total	44,140	36,719	7,421	23,358	20,871	2,487	492	463	29
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	44,140	36,719	7,421	23,358	20,871	2,487	492	463	29
Accounting	35,806	28,161	7,645	2,730	2,252	478	55	50	5
Administrative and secretarial services	1,538	44	1,494	1	0	1	1	1	0
Business/managerial economics	2,576	2,219	357	342	300	42	80	77	3
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	7,678	6,751	927	2,520	2,264	256	46	45	1
Finance, general	7,091	6,238	853	2,414	2,160	254	41	40	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	576	503	73	45	43	2	5	5	0
Investments and securities	11	10	1	61	61	0	0	0	0
Hospitality services management	1,499	1,278	221	64	63	1	0	0	0
Human resources management, total	2,430	1,915	515	1,478	1,243	235	22	21	1
Human resources management	1,325	990	335	715	609	106	5	5	0
Labor/personnel relations and studies	1,105	925	180	763	634	129	17	16	1
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	269	199	70	1,198	1,007	191	8	8	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	197	149	48	149	132	17	15	14	1
Business statistics	197	149	48	149	132	17	15	14	1
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	689	627	62	79	77	2	4	4	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	425	356	69	540	505	35	5	4	1
Marketing operations/marketing and distribution, total	14,649	11,453	3,196	1,182	1,004	178	43	43	0
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	14,649	11,453	3,196	1,182	1,004	178	43	43	0
Communications and communications technologies, total	21,282	12,458	8,824	3,126	1,818	1,308	204	154	50
Communications, total	20,045	11,580	8,465	2,961	1,708	1,253	196	147	49
Communications, general	7,571	4,265	3,306	1,549	883	666	162	118	44
Advertising	1,236	719	517	88	66	22	0	0	0
Journalism and mass communications, total	11,077	6,485	4,592	1,255	719	536	33	28	5
Journalism	7,711	4,016	3,695	956	514	442	15	12	3
Broadcast journalism	3,366	2,469	897	299	205	94	18	16	2
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	161	111	50	69	40	29	1	1	0
Communications technologies, total	1,237	878	359	165	110	55	8	7	1
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,237	878	359	165	110	55	8	7	1
Computer and information sciences, total	5,652	4,534	1,118	2,603	2,226	377	244	221	23

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Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	4,530	3,630	900	2,349	1,991	358	221	199	22
Computer programming	3	3	0	0	0	0	0	0	0
Data processing technology/technician	483	379	104	1	1	0	0	0	0
Information science and systems	493	406	87	166	152	14	20	19	1
Computer systems analysis	89	70	19	87	82	5	3	3	0
Computer and information sciences, other	54	46	8	0	0	0	0	0	0
Education, total	154,437	42,004	112,433	126,061	44,831	81,230	7,202	4,826	2,376
Education, general	4,020	766	3,254	17,884	6,451	11,433	1,497	990	507
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	264	37	227	3,967	1,357	2,610	654	372	282
Education administration and supervision, total	300	105	195	30,549	16,295	14,254	2,298	1,741	557
Education administration and supervision, general	96	36	60	13,030	8,968	4,062	1,604	1,286	318
Administration of special education	10	10	0	123	25	98	17	10	7
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	194	59	135	17,396	7,302	10,094	677	445	232
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	8	4	4	282	115	167	66	42	24
Educational evaluation and research, general	5	2	3	74	35	39	38	25	13
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	3	2	1	208	80	128	28	17	11
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	23	8	15	624	365	259	177	119	58
Special education, total	18,545	2,104	16,441	13,509	2,537	10,972	294	162	132
Special education, general	8,174	988	7,186	7,692	1,459	6,233	208	119	89
Education of the deaf and hearing impaired	433	24	409	404	92	312	4	1	3
Education of the gifted and talented	21	2	19	6	0	6	0	0	0
Education of the emotionally handicapped	738	90	648	678	175	503	5	4	1
Education of the mentally handicapped	4,929	607	4,322	1,299	286	1,013	35	18	17
Education of the multiple handicapped	119	12	107	42	7	35	0	0	0
Education of the physically handicapped	233	39	194	217	47	170	5	1	4
Education of the blind and visually handicapped	142	17	125	98	31	67	3	1	2
Education of the specific learning disabled	831	71	760	1,790	236	1,554	6	1	5
Education of the speech impaired	2,716	204	2,512	711	94	617	9	7	2
Special education, other	209	50	159	572	110	462	19	10	9
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	71,407	10,136	61,271	33,855	7,621	26,234	1,103	707	396
Adult and continuing education	9	1	8	710	323	387	119	77	42
Elementary education	60,264	7,715	52,549	22,748	3,352	19,396	196	75	121
Junior high/intermediate and middle school education	255	90	165	105	66	39	0	0	0
Pre-elementary/early childhood/kindergarten education	5,869	183	5,686	2,085	85	2,000	13	4	9
Secondary education	4,996	2,146	2,850	7,585	3,439	4,146	210	143	67
General teacher education, other	14	1	13	622	356	266	565	408	157
Teacher education, academic and vocational programs, total	59,307	28,546	30,761	23,206	9,299	13,907	1,044	652	392
Agricultural education (vocational)	1,063	990	73	342	326	16	37	36	1
Art education	4,565	1,114	3,451	1,044	291	753	48	23	25
Business education (vocational)	5,289	1,133	4,156	1,843	540	1,303	66	45	21
Driver and safety education	110	101	9	271	252	19	4	2	2
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,019	708	1,311	1,149	499	650	72	45	27
Home economics education (vocational)	4,171	12	4,159	762	15	747	25	1	24
Technology/industrial arts education	7,271	6,731	540	3,002	2,364	638	231	181	50
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	1,358	554	804	746	335	411	55	35	20
Music education	7,908	3,188	4,720	1,382	681	701	80	55	25
Physical education and coaching	24,181	13,541	10,640	4,761	2,924	1,837	215	155	60
Reading education	227	23	204	6,840	644	6,196	117	30	87
Science education	768	445	323	737	421	316	57	42	15
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	377	6	371	327	7	320	37	2	35
Teaching English as a second language/foreign language	49	24	25	469	137	332	9	3	6
Education, other	514	274	240	1,716	654	1,062	60	38	22
Engineering and engineering-related technologies, total	46,331	44,871	1,460	16,342	15,760	582	2,821	2,755	66
Engineering, total	38,368	37,093	1,295	16,014	15,446	568	2,819	2,753	66
Engineering, general	3,168	3,022	146	1,305	1,251	54	236	234	2
Aerospace, aeronautical, and astronautical engineering	1,009	980	29	479	469	10	139	137	2
Agricultural engineering	412	401	11	146	141	5	33	33	0
Architectural engineering	221	209	12	37	36	1	1	1	0
Bioengineering and biomedical engineering	193	178	15	178	169	9	58	54	4

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	147	137	10	52	48	4	19	19	0
Chemical engineering	3,140	2,871	269	1,031	992	39	308	299	9
Civil engineering, general	7,923	7,675	248	2,999	2,900	99	370	361	9
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	9,791	9,601	190	3,774	3,670	104	649	635	14
Engineering mechanics	143	140	3	181	176	5	77	77	0
Engineering physics	335	318	17	85	82	3	55	54	1
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	213	198	15	568	517	51	49	43	6
Geological engineering	112	101	11	28	28	0	3	3	0
Geophysical engineering	52	49	3	3	3	0	0	0	0
Industrial/manufacturing engineering	2,203	2,123	80	1,751	1,670	81	121	118	3
Materials engineering	190	180	10	223	209	14	118	114	4
Mechanical engineering	6,800	6,654	146	1,907	1,880	27	305	303	2
Metallurgical engineering	351	328	23	176	166	10	72	68	4
Mining and mineral engineering	331	323	8	70	68	2	18	18	0
Naval architecture and marine engineering	402	401	1	102	101	1	4	4	0
Nuclear engineering	418	406	12	466	447	19	131	130	1
Ocean engineering	157	154	3	118	116	2	12	11	1
Petroleum engineering	340	327	13	98	96	2	20	20	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	20	20	0	13	12	1	0	0	0
Engineering, other	317	297	20	224	199	25	21	17	4
Engineering-related technologies, total	7,943	7,778	165	328	314	14	2	2	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering, civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	7,943	7,778	165	328	314	14	2	2	0
English language and literature/letters, total	42,006	16,073	25,933	8,809	3,383	5,426	1,672	967	705
English language and literature, general	34,149	12,711	21,438	6,591	2,436	4,155	1,289	748	541
Comparative literature	554	175	379	210	93	117	158	72	86
English composition	0	0	0	0	0	0	0	0	0
English creative writing	246	124	122	280	175	105	3	1	2
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	6,380	2,760	3,620	1,614	628	986	201	131	70
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	677	303	374	114	51	63	21	15	6
Foreign languages and literatures, total	16,484	4,067	12,417	4,190	1,459	2,731	1,076	563	513
Foreign languages and literatures, total	1,397	377	1020	1,075	385	690	360	206	154
Foreign languages and literatures, general	867	216	651	552	175	377	209	128	81
Linguistics	530	161	369	523	210	313	151	78	73
East and southeast asian languages and literatures, total	296	95	201	31	15	16	7	6	1
Chinese	150	59	91	23	10	13	6	5	1
Japanese	146	36	110	8	5	3	1	1	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	642	262	380	160	75	85	49	26	23
Russian	531	224	307	81	42	39	13	8	5
Slavic languages (other than Russian)	111	38	73	79	33	46	36	18	18
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	2,010	680	1,330	475	195	280	168	82	86
German	1,983	671	1,312	471	195	276	164	80	84
Scandinavian languages	27	9	18	4	0	4	4	2	2
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	3	1	2	6	5	1	1	0	1
Romance languages and literatures, total	11,109	2,186	8,923	2,079	588	1,491	385	177	208
French	4,783	728	4,055	914	212	702	190	73	117
Italian	342	107	235	85	37	48	19	15	4
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	5,984	1,351	4,633	1,080	339	741	176	89	87
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	152	55	97	56	42	14	12	10	2
Arabic	10	5	5	7	4	3	2	1	1
Hebrew	142	50	92	49	38	11	10	9	1
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	777	363	414	207	107	100	73	43	30
Classics and classical languages	483	242	241	136	71	65	61	35	26
Greek (ancient and medieval)	125	65	60	29	16	13	10	7	3
Latin (ancient and medieval)	169	56	113	42	20	22	2	1	1
Foreign languages and literatures, other	98	48	50	101	47	54	21	13	8
Health professions and related sciences, total	53,958	11,456	42,502	12,556	4,217	8,339	577	411	166
Chiropractic	0	0	0	0	0	0	2	2	0
Communication disorders sciences and services	3,925	343	3,582	3,119	395	2,724	109	63	46
Community health liason	585	300	285	2,106	1,095	1,011	165	106	59
Dentistry specialties	80	74	6	430	406	24	3	2	1
Dental services	1,150	11	1,139	24	0	24	16	0	16
Health and medical administrative services, total	942	305	637	1,129	854	275	11	11	0
Health care and services administration	421	271	150	1,129	854	275	11	11	0
Medical records administration	521	34	487	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,652	1,238	4,414	267	147	120	4	4	0
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,652	1,238	4,414	267	147	120	4	4	0
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	31	19	12	108	94	14	33	31	2
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	145	44	101	671	262	409	0	0	0
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	145	44	101	671	262	409	0	0	0
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	26,726	1,353	25,373	3,035	90	2,945	16	0	16
Optometry	343	285	58	13	11	2	3	3	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,869	4,842	2,027	307	247	60	81	73	8
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	3,513	552	2,961	333	83	250	1	1	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,453	82	1,371	166	29	137	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,060	470	1,590	167	54	113	1	1	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	113	89	24	41	40	1
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	3,997	2,090	1,907	901	444	457	92	75	17
Home economics and vocational home economics, total	17,409	720	16,689	2,179	186	1,993	178	51	127
Home economics, total	16,346	560	15,786	2,028	177	1,851	160	49	111
Home economics, general	6,176	137	6,039	689	32	657	23	4	19
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,466	188	3,278	566	98	468	67	29	38
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	2,767	137	2,630	526	33	493	57	15	42
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,577	31	2,546	144	2	142	10	0	10
Home economics, other	1,360	67	1,293	103	12	91	3	1	2
Vocational home economics, total	1,063	160	903	151	9	142	18	2	16
Consumer and homemaking education	666	17	649	97	4	93	18	2	16
Custodial, housekeeping and home services workers and managers	397	143	254	54	5	49	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	531	431	100	1,442	1,269	173	76	73	3
Law, general	531	431	100	1,331	1,175	156	75	72	3
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	0	0	0	111	94	17	1	1	0
Liberal arts and sciences, general studies, and humanities, total	18,855	9,398	9,457	2,633	1,205	1,428	162	105	57

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	18,855	9398	9457	2,633	1205	1428	162	105	57
Liberal arts and sciences/liberal studies	14,736	7,539	7,197	1,758	765	993	36	25	11
Humanities/humanistic studies	4,119	1,859	2,260	875	440	435	126	80	46
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	843	58	785	8,037	1,741	6,296	71	39	32
Library science/librarianship	822	53	769	7,762	1,661	6,101	64	35	29
Library science, other	21	5	16	275	80	195	7	4	3
Mathematics, total	16,329	9,788	6,541	4,315	2,961	1,354	909	812	97
Mathematics	15,248	8,946	6,302	3,222	2,051	1,171	671	594	77
Applied mathematics, total	785	640	145	615	545	70	96	92	4
Applied mathematics, general	440	327	113	157	131	26	43	42	1
Operations research	345	313	32	458	414	44	53	50	3
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	248	163	85	471	360	111	141	125	16
Mathematics, other	48	39	9	7	5	2	1	1	0
Multi/interdisciplinary studies, total	13,588	8,500	5,088	1,158	824	334	111	80	31
Biological and physical sciences	3,935	2,826	1,109	318	228	90	38	32	6
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	9,653	5,674	3,979	840	596	244	73	48	25
Parks, recreation, leisure, and fitness studies total	5,182	2,848	2,334	571	357	214	15	13	2
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,182	2,848	2,334	571	357	214	15	13	2
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	8,447	5,915	2,532	1,356	911	445	554	471	83
Philosophy	4,757	3,505	1,252	689	544	145	382	319	63
Religion/religious studies	3,690	2,410	1,280	667	367	300	172	152	20
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	21,465	17,353	4,112	5,466	4,648	818	3,431	3,132	299
Physical sciences, total	21,465	17,353	4,112	5,466	4,648	818	3,431	3,132	299
Physical sciences, general	1,224	967	257	283	229	54	65	57	8
Astronomy	116	101	15	81	74	7	113	106	7
Astrophysics	50	48	2	8	7	1	13	12	1
Atmospheric science and meteorology	365	329	36	197	180	17	61	60	1
Chemistry, total	11,022	8,550	2,472	1,783	1,406	377	1,621	1,425	196
Chemistry, general	10,977	8,512	2,465	1,721	1,363	358	1,498	1,322	176
Analytical chemistry	2	2	0	7	4	3	7	7	0
Inorganic chemistry	5	4	1	1	1	0	13	11	2
Organic chemistry	26	24	2	6	5	1	30	27	3
Medicinal/pharmaceutical chemistry	7	4	3	38	26	12	43	35	8
Chemistry, other	5	4	1	10	7	3	30	23	7
Geological and related sciences, total	3,358	2,752	606	1,003	873	130	313	290	23
Geology	3,259	2,668	591	935	811	124	280	259	21
Geochemistry	10	9	1	6	5	1	4	4	0
Geophysics and seismology	89	75	14	62	57	5	29	27	2
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,502	1,192	310	512	424	88	174	159	15
Metallurgy	16	16	0	24	24	0	16	16	0
Oceanography	240	227	13	152	135	17	81	70	11
Earth science	1,073	810	263	225	171	54	42	40	2
Miscellaneous physical sciences, other	173	139	34	111	94	17	35	33	2
Physics, total	3,544	3,156	388	1,451	1,319	132	997	952	45
Physics, general	3,456	3,087	369	1,421	1,296	125	968	926	42
Physics, other	88	69	19	30	23	7	29	26	3
Physical sciences, other	284	258	26	148	136	12	74	71	3
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	12,507	10,196	2,311	1,197	995	202	9	9	0
Criminal justice, total	12,507	10,196	2,311	1,197	995	202	9	9	0
Corrections/correctional administration	12,507	10,196	2,311	1,197	995	202	9	9	0
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	50,278	22,898	27,380	10,167	5,136	5,031	3,157	2,115	1,042
Psychology, general	48,818	22,444	26,374	5,218	2,899	2,319	2,047	1,383	664
Clinical psychology	63	22	41	442	240	202	320	227	93
Counseling psychology	71	42	29	1,513	770	743	41	31	10
Developmental and child psychology	365	51	314	162	63	99	43	22	21
Experimental psychology	98	62	36	96	65	31	64	47	17
Industrial and organizational psychology	70	42	28	47	26	21	4	4	0

Table 21.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1975–76—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	6	2	4	4	2	2	13	11	2
Social psychology	347	136	211	128	66	62	40	28	12
School psychology	370	66	304	2,356	965	1,391	576	353	223
Psychology, other	70	31	39	201	40	161	9	9	0
Public administration and services, total	15,440	5,706	9,734	15,209	7,969	7,240	292	192	100
Community organization, resources and services	1,788	1,032	756	717	540	177	19	11	8
Public administration	2,008	1,638	370	5,135	4,155	980	98	82	16
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	10,852	2,630	8,222	8,943	2,972	5,971	163	90	73
Public administration and services, other	792	406	386	414	302	112	12	9	3
R O T C and military technologies, total	952	951	1	0	0	0	0	0	0
Reserve Officer Training Corps (R O T C)	936	935	1	0	0	0	0	0	0
Military technologies, total	16	16	0	0	0	0	0	0	0
Social sciences and history, total	126,396	78,691	47,705	15,953	10,918	5,035	4,157	3,262	895
Social sciences, general	12,325	7,032	5,293	2,270	1,443	827	85	66	19
Anthropology	5,180	2,203	2,977	937	483	454	419	264	155
Archeology	79	17	62	32	14	18	14	2	12
Criminology	2,306	1,617	689	218	163	55	18	14	4
Demography and population studies	22	12	10	25	11	14	9	7	2
Economics	14,741	11,850	2,891	2,087	1,755	332	763	682	81
Geography, total	3,733	2,780	953	665	489	176	168	147	21
Geography	3,733	2,780	953	665	489	176	168	147	21
Cartography	0	0	0	0	0	0	0	0	0
History	28,400	18,656	9,744	3,658	2,444	1,214	1,014	789	225
International relations and affairs	1,294	809	485	839	631	208	76	65	11
Political science and government, general	28,302	21,147	7,155	2,191	1,718	473	723	602	121
Sociology	27,634	11,245	16,389	2,009	1,165	844	729	511	218
Urban affairs/studies	1,601	885	716	824	505	319	16	12	4
Social sciences and history, other	779	438	341	198	97	101	123	101	22
Theological studies and religious vocations, total	5,520	4,009	1,511	3,290	2,232	1,058	1,033	991	42
Biblical and other theological languages and literatures	30	28	2	32	29	3	11	8	3
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,529	782	747	1,384	664	720	29	26	3
Religious/sacred music	251	136	115	156	116	40	14	12	2
Theology and theological studies	3,461	2,875	586	1,537	1,291	246	960	928	32
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	249	188	61	181	132	49	19	17	2
Transportation and material moving workers, total	1,282	1,182	100	108	103	5	3	3	0
Water transportation workers	225	224	1	0	0	0	0	0	0
Transportation and material moving, other	1,057	958	99	108	103	5	3	3	0
Visual and performing arts, total	42,138	16,491	25,647	8,817	4,507	4,310	620	447	173
Visual and performing arts, general	5,211	1,864	3,347	735	381	354	46	22	24
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	772	61	711	180	20	160	1	0	1
Design and applied art	3,350	1,187	2,163	255	136	119	1	1	0
Dramatic/theater arts and stagecraft	5,691	2,407	3,284	1,394	714	680	112	82	30
Film/video and photographic arts, total	1,294	1,023	271	276	198	78	4	3	1
Film-video making/cinematography and production	448	350	98	161	112	49	4	3	1
Photography	846	673	173	115	86	29	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	16,395	5,603	10,792	2,651	1,337	1,314	84	38	46
Art, general	14,252	5,180	9,072	2,252	1,225	1,027	19	11	8
Art history,criticism and conservation	2,143	423	1,720	399	112	287	65	27	38
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	9,117	4,242	4,875	3,217	1,684	1,533	368	298	70
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	213	89	124	88	45	43	42	32	10
Music, general performance	5,077	2,491	2,586	2,315	1,191	1,124	249	214	35
Music theory and composition	3,827	1,662	2,165	814	448	366	77	52	25
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	308	104	204	109	37	72	4	3	1

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1975–76" survey. (This table was prepared September, 1993.)

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Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**919,549**	**495,545**	**424,004**	**317,164**	**167,783**	**149,381**	**33,232**	**25,142**	**8,090**
Agriculture and natural resources, total	21,467	16,690	4,777	3,724	3,177	547	893	831	62
Agricultural business and production, total	8,114	6,431	1,683	1,549	1,344	205	373	355	18
Agricultural business and management, total	5,795	5,107	688	1,273	1,140	133	315	303	12
Agricultural business and management, general	1,822	1,537	285	334	291	43	10	10	0
Agricultural business/agribusiness operations	2,326	2,070	256	439	397	42	161	157	4
Agricultural economics	1,330	1,210	120	493	445	48	140	132	8
Agricultural business and management, other	317	290	27	7	7	0	4	4	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	2,319	1,324	995	276	204	72	58	52	6
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	0	0	0	0	0	0	0	0	0
Agricultural sciences, total	6,713	4,738	1,975	1,120	908	212	328	292	36
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,446	3,052	1,394	537	458	79	147	136	11
Animal sciences, general	4,085	2,770	1,315	429	370	59	122	113	9
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	256	205	51	72	58	14	16	14	2
Poultry science	105	77	28	36	30	6	9	9	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	669	391	278	281	195	86	98	75	23
Plant sciences, total	177	151	26	85	78	7	22	21	1
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	177	151	26	85	78	7	22	21	1
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	519	396	123	122	110	12	53	52	1
Agriculture/agricultural sciences, other	902	748	154	95	67	28	8	8	0
Conservation and renewable natural resources, total	6,640	5,521	1,119	1,055	925	130	192	184	8
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	2,187	1,646	541	268	218	50	36	35	1
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	176	157	19	13	13	0	8	8	0
Forestry, general	2,713	2,428	285	445	402	43	84	79	5
Wildlife and wildlands management	1,564	1,290	274	329	292	37	64	62	2
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,222	7,249	1,973	3,213	2,489	724	73	62	11
Architecture	5,480	4,939	541	1,383	1,160	223	19	16	3
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,228	912	316	64	40	24	3	2	1
Interior architecture	885	104	781	14	6	8	0	0	0
Landscape architecture	943	756	187	221	159	62	1	1	0
Architectural urban design and planning	528	392	136	1,453	1,073	380	47	42	5
Architecture and related programs, other	158	146	12	78	51	27	3	1	2
Area, ethnic, and cultural studies, total	3,450	1,536	1,914	1,052	554	498	153	104	49
Area studies, total	2,634	1,137	1,497	853	462	391	120	79	41
African studies	15	4	11	21	8	13	5	3	2
American studies/civilization	1,654	709	945	273	121	152	85	51	34
Latin American studies	229	92	137	145	80	65	6	6	0
Middle Eastern studies	45	20	25	52	37	15	7	7	0
Russian and Slavic studies	131	60	71	86	61	25	1	1	0
Asian studies	460	214	246	243	137	106	10	7	3
European studies	81	27	54	29	17	12	6	4	2
Area studies, other	19	11	8	4	1	3	0	0	0
Ethnic and cultural studies, total	497	239	258	63	29	34	0	0	0
Afro-American (black) studies	376	175	201	39	17	22	0	0	0
Hispanic-American studies	103	57	46	24	12	12	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	18	7	11	0	0	0	0	0	0
Area, ethnic and cultural studies, other	319	160	159	136	63	73	33	25	8
Biological sciences/life sciences, total	53,605	34,218	19,387	7,114	4,718	2,396	3,397	2,671	726
Biology, general	39,530	25,072	14,458	3,322	2,183	1,139	608	454	154
Biochemistry and biophysics	1,809	1,295	514	361	242	119	550	444	106
Botany, total	1,225	699	526	471	318	153	271	223	48
Botany, general	1,038	582	456	319	206	113	181	148	33
Plant pathology	84	59	25	133	99	34	71	60	11
Botany, other	103	58	45	19	13	6	19	15	4
Cell and molecular biology, total	273	180	93	77	55	22	87	64	23
Cell biology	59	37	22	30	16	14	39	28	11

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Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	214	143	71	47	39	8	48	36	12
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,884	1,557	1,327	659	398	261	325	239	86
Miscellaneous biological specializations, total	1,638	1,099	539	843	512	331	487	384	103
Anatomy	3	2	1	82	64	18	123	98	25
Ecology	690	492	198	184	134	50	63	59	4
Marine biology	498	379	119	109	93	16	15	15	0
Neurosciences	44	28	16	5	4	1	36	26	10
Nutritional sciences	141	40	101	161	48	113	62	44	18
Toxicology	27	20	7	21	18	3	16	14	2
Genetics, plant and animal	108	59	49	143	72	71	106	78	28
Biometrics and biostatistics	27	16	11	102	51	51	39	29	10
Miscellaneous biological specializations, other	100	63	37	36	28	8	27	21	6
Zoology, total	5,608	3,952	1,656	1,168	863	305	950	767	183
Zoology, general	5,012	3,500	1,512	521	364	157	284	224	60
Entomology	260	215	45	227	192	35	144	125	19
Pathology, human and animal	5	3	2	91	67	24	96	82	14
Pharmacology, human and animal	29	21	8	92	67	25	158	122	36
Physiology, human and animal	302	213	89	237	173	64	268	214	54
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	638	364	274	213	147	66	119	96	23
Business management and administrative services and marketing operations/marketing and distribution, total	150,765	115,353	35,412	46,006	39,400	6,606	827	775	52
Business management and administrative services, total	135,022	103,692	31,330	44,617	38,300	6,317	794	745	49
Business, general	30,151	23,322	6,829	9,845	8,442	1,403	99	95	4
Business administration and management, total	47,374	37,419	9,955	23,938	20,789	3,149	472	441	31
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	47,374	37,419	9,955	23,938	20,789	3,149	472	441	31
Accounting	39,183	29,241	9,942	3,278	2,642	636	53	49	4
Administrative and secretarial services	1,502	36	1,466	8	3	5	0	0	0
Business/managerial economics	2,194	1,795	399	330	278	52	72	66	6
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	8,758	7,384	1,374	3,235	2,793	442	37	36	1
Finance, general	8,044	6,769	1,275	3,093	2,674	419	36	35	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	690	594	96	53	47	6	1	1	0
Investments and securities	24	21	3	89	72	17	0	0	0
Hospitality services management	1,526	1,222	304	67	52	15	3	3	0
Human resources management, total	2,725	1,981	744	1,911	1,629	282	27	27	0
Human resources management	1,546	1,104	442	916	788	128	7	7	0
Labor/personnel relations and studies	1,179	877	302	995	841	154	20	20	0
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	274	185	89	1,105	889	216	6	5	1
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	193	134	59	96	75	21	12	11	1
Business statistics	193	134	59	96	75	21	12	11	1
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	652	591	61	66	57	9	0	0	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	490	382	108	738	651	87	13	12	1
Marketing operations/marketing and distribution, total	15,743	11,661	4,082	1,389	1,100	289	33	30	3
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	15,743	11,661	4,082	1,389	1,100	289	33	30	3
Communications and communications technologies, total	23,214	12,932	10,282	3,091	1,719	1,372	171	130	41
Communications, total	21,698	11,911	9,787	2,870	1,591	1,279	162	124	38
Communications, general	8,728	4,706	4,022	1,483	793	690	128	96	32
Advertising	1,270	662	608	144	88	56	0	0	0
Journalism and mass communications, total	11,526	6,449	5,077	1,163	657	506	34	28	6
Journalism	7,674	3,768	3,906	875	467	408	19	14	5
Broadcast journalism	3,852	2,681	1,171	288	190	98	15	14	1
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	174	94	80	80	53	27	0	0	0
Communications technologies, total	1,516	1,021	495	221	128	93	9	6	3
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,516	1,021	495	221	128	93	9	6	3
Computer and information sciences, total	6,407	4,876	1,531	2,798	2,332	466	216	197	19

Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	5,229	3,997	1,232	2,580	2,140	440	195	177	18
Computer programming	20	14	6	0	0	0	0	0	0
Data processing technology/technician	465	349	116	6	5	1	0	0	0
Information science and systems	553	418	135	149	134	15	20	19	1
Computer systems analysis	105	78	27	60	51	9	1	1	0
Computer and information sciences, other	35	20	15	3	2	1	0	0	0
Education, total	143,234	39,867	103,367	124,267	42,308	81,959	7,338	4,832	2,506
Education, general	4,388	802	3,586	17,746	5,968	11,778	1,467	938	529
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	276	49	227	4,506	1,454	3,052	710	398	312
Education administration and supervision, total	370	136	234	29,786	15,533	14,253	2,304	1,702	602
Education administration and supervision, general	130	60	70	12,939	8,601	4,338	1,583	1,224	359
Administration of special education	0	0	0	100	25	75	17	11	6
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	240	76	164	16,747	6,907	9,840	704	467	237
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	0	0	0	225	88	137	91	58	33
Educational evaluation and research, general	0	0	0	57	27	30	52	37	15
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	168	61	107	39	21	18
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	21	7	14	614	302	312	196	123	73
Special education, total	17,260	1,794	15,466	13,941	2,473	11,468	297	168	129
Special education, general	8,533	966	7,567	8,249	1,479	6,770	225	139	86
Education of the deaf and hearing impaired	409	23	386	320	64	256	6	4	2
Education of the gifted and talented	8	0	8	13	1	12	0	0	0
Education of the emotionally handicapped	678	77	601	680	167	513	4	1	3
Education of the mentally handicapped	3,682	414	3,268	1,151	277	874	12	7	5
Education of the multiple handicapped	164	19	145	8	2	6	0	0	0
Education of the physically handicapped	225	43	182	172	37	135	2	0	2
Education of the blind and visually handicapped	165	14	151	98	33	65	1	0	1
Education of the specific learning disabled	778	54	724	1,793	210	1,583	23	3	20
Education of the speech impaired	2,319	169	2,150	900	87	813	13	8	5
Special education, other	299	15	284	557	116	441	11	6	5
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	63,338	8,811	54,527	32,640	6,944	25,696	1,115	692	423
Adult and continuing education	21	6	15	898	395	503	102	73	29
Elementary education	53,036	6,584	46,452	21,795	2,915	18,880	199	72	127
Junior high/intermediate and middle school education	243	87	156	119	45	74	26	18	8
Pre-elementary/early childhood/kindergarten education	5,416	226	5,190	1,877	80	1,797	25	3	22
Secondary education	4,622	1,908	2,714	7,371	3,192	4,179	194	109	85
General teacher education, other	0	0	0	580	317	263	569	417	152
Teacher education, academic and vocational programs, total	56,797	27,815	28,982	22,742	8,819	13,923	1,058	688	370
Agricultural education (vocational)	1,031	941	90	370	343	27	21	20	1
Art education	3,962	971	2,991	1,014	290	724	49	31	18
Business education (vocational)	4,948	1,038	3,910	1,757	532	1,225	58	42	16
Driver and safety education	107	85	22	242	217	25	1	1	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,260	777	1,483	1,157	464	693	67	41	26
Home economics education (vocational)	3,437	35	3,402	668	15	653	11	0	11
Technology/industrial arts education	7,635	7,008	627	2,746	2,124	622	270	208	62
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	1,156	491	665	663	260	403	49	33	16
Music education	7,645	3,192	4,453	1,437	692	745	74	54	20
Physical education and coaching	23,288	12,800	10,488	4,716	2,824	1,892	247	169	78
Reading education	193	28	165	6,808	622	6,186	101	34	67
Science education	785	444	341	784	424	360	81	55	26
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	350	5	345	380	12	368	29	0	29
Teaching English as a second language/foreign language	64	23	41	450	114	336	8	3	5
Education, other	720	430	290	1,617	613	1,004	92	62	30
Engineering and engineering-related technologies, total	49,283	47,065	2,218	16,245	15,525	720	2,586	2,513	73
Engineering, total	40,936	38,914	2,022	15,961	15,264	697	2,583	2,510	73
Engineering, general	3,348	3,150	198	1,435	1,343	92	283	275	8
Aerospace, aeronautical, and astronautical engineering	1,078	1,050	28	385	377	8	119	115	4
Agricultural engineering	500	478	22	147	144	3	21	21	0
Architectural engineering	277	262	15	20	19	1	0	0	0
Bioengineering and biomedical engineering	253	210	43	175	167	8	47	47	0

Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	144	127	17	57	55	2	17	17	0
Chemical engineering	3,524	3,104	420	1,086	1,021	65	291	283	8
Civil engineering, general	8,228	7,799	429	2,964	2,835	129	309	303	6
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	9,936	9,670	266	3,788	3,654	134	566	548	18
Engineering mechanics	156	150	6	141	135	6	81	79	2
Engineering physics	213	196	17	94	88	6	38	37	1
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	245	208	37	617	562	55	52	49	3
Geological engineering	132	123	9	44	44	0	6	6	0
Geophysical engineering	49	45	4	14	11	3	3	3	0
Industrial/manufacturing engineering	2,240	2,097	143	1,609	1,534	75	104	99	5
Materials engineering	216	195	21	237	222	15	133	124	9
Mechanical engineering	7,703	7,468	235	1,952	1,903	49	283	280	3
Metallurgical engineering	350	329	21	165	160	5	54	53	1
Mining and mineral engineering	404	395	9	77	73	4	7	7	0
Naval architecture and marine engineering	430	429	1	87	87	0	5	5	0
Nuclear engineering	480	467	13	485	463	22	105	104	1
Ocean engineering	132	127	5	105	102	3	13	13	0
Petroleum engineering	405	382	23	93	89	4	19	19	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	45	41	4	12	10	2	1	1	0
Engineering, other	448	412	36	172	166	6	26	22	4
Engineering-related technologies, total	8,347	8,151	196	284	261	23	3	3	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	8,347	8,151	196	284	261	23	3	3	0
English language and literature/letters, total	37,794	14,295	23,499	8,016	2,985	5,031	1,508	841	667
English language and literature, general	30,775	11,289	19,486	5,939	2,147	3,792	1,142	622	520
Comparative literature	451	160	291	192	78	114	135	73	62
English composition	0	0	0	0	0	0	0	0	0
English creative writing	279	138	141	249	145	104	0	0	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	5,715	2,455	3,260	1,490	547	943	210	135	75
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	574	253	321	146	68	78	21	11	10
Foreign languages and literatures, total	14,999	3,765	11,234	3,832	1,257	2,575	967	500	467
Foreign languages and literatures, total	1,465	392	1073	1,028	379	649	364	223	141
Foreign languages and literatures, general	901	227	674	476	153	323	190	111	79
Linguistics	564	165	399	552	226	326	174	112	62
East and southeast asian languages and literatures, total	228	92	136	52	21	31	13	11	2
Chinese	112	53	59	32	11	21	6	5	1
Japanese	116	39	77	20	10	10	7	6	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	599	243	356	104	38	66	44	24	20
Russian	528	215	313	66	25	41	19	11	8
Slavic languages (other than Russian)	71	28	43	38	13	25	25	13	12
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,854	616	1,238	401	147	254	127	61	66
German	1,820	609	1,211	394	144	250	126	61	65
Scandinavian languages	34	7	27	7	3	4	1	0	1
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	10	6	4	2	1	1	1	1	0
Romance languages and literatures, total	9,912	1,988	7,924	1,894	479	1,415	346	133	213
French	4,228	651	3,577	875	195	680	177	50	127
Italian	325	101	224	89	30	59	16	7	9
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	5,359	1,236	4,123	930	254	676	153	76	77
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	122	53	69	57	47	10	7	6	1
Arabic	7	1	6	15	12	3	1	0	1
Hebrew	115	52	63	42	35	7	6	6	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	724	344	380	179	90	89	53	31	22
Classics and classical languages	491	229	262	133	66	67	41	23	18
Greek (ancient and medieval)	113	64	49	24	15	9	9	6	3
Latin (ancient and medieval)	120	51	69	22	9	13	3	2	1
Foreign languages and literatures, other	85	31	54	115	55	60	12	10	2
Health professions and related sciences, total	57,328	11,947	45,381	12,951	4,163	8,788	536	366	172
Chiropractic	6	0	6	0	0	0	0	0	0
Communication disorders sciences and services	3,864	309	3,555	3,019	315	2,704	96	47	49
Community health liason	519	262	257	2,176	1,074	1,102	141	94	47
Dentistry specialties	121	62	59	374	337	37	6	5	1
Dental services	1,183	32	1,151	94	16	78	0	0	0
Health and medical administrative services, total	1,214	388	826	1,354	999	355	18	15	3
Health care and services administration	668	348	320	1,354	999	355	18	15	3
Medical records administration	546	40	506	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,598	1,220	4,378	372	176	196	3	1	2
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,598	1,220	4,378	372	176	196	3	1	2
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	26	21	5	103	86	17	23	21	2
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	206	60	146	628	253	375	0	0	0
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	206	60	146	628	253	375	0	0	0
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	28,402	1,532	26,870	3,257	102	3,155	24	2	22
Optometry	341	287	54	8	7	1	7	4	3
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	7,495	5,061	2,434	274	202	72	75	65	10
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	3,819	659	3,160	341	75	266	2	2	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,486	116	1,370	179	14	165	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,333	543	1,790	162	61	101	2	2	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	103	79	24	22	20	2
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	4,534	2,054	2,480	848	442	406	121	90	31
Home economics and vocational home economics, total	17,439	722	16,717	2,334	207	2,127	160	37	123
Home economics, total	16,288	563	15,725	2,210	198	2,012	148	36	112
Home economics, general	6,198	143	6,055	812	28	784	53	8	45
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,296	181	3,115	566	111	455	42	13	29
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	2,867	170	2,697	576	42	534	33	12	21
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,756	23	2,733	158	8	150	14	2	12
Home economics, other	1,171	46	1,125	98	9	89	6	1	5
Vocational home economics, total	1,151	159	992	124	9	115	12	1	11
Consumer and homemaking education	748	28	720	79	3	76	12	1	11
Custodial, housekeeping and home services workers and managers	403	131	272	45	6	39	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	559	405	154	1,574	1,366	208	60	52	8
Law, general	554	400	154	1,023	860	163	60	52	8
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	5	5	0	551	506	45	0	0	0
Liberal arts and sciences, general studies, and humanities, total	20,463	9,839	10,624	2,324	1,107	1,217	125	73	52

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Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	20,463	9839	10624	2,324	1107	1217	125	73	52
Liberal arts and sciences/liberal studies	16,763	8,240	8,523	1,492	693	799	33	22	11
Humanities/humanistic studies	3,700	1,599	2,101	832	414	418	92	51	41
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	781	71	710	7,572	1,546	6,026	75	35	40
Library science/librarianship	744	67	677	7,266	1,471	5,795	61	28	33
Library science, other	37	4	33	306	75	231	14	7	7
Mathematics, total	14,395	8,476	5,919	4,109	2,762	1,347	859	748	111
Mathematics	13,349	7,752	5,597	3,012	1,882	1,130	634	553	81
Applied mathematics, total	684	508	176	613	527	86	82	75	7
Applied mathematics, general	485	335	150	199	161	38	46	41	5
Operations research	199	173	26	414	366	48	36	34	2
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	290	164	126	473	343	130	142	119	23
Mathematics, other	72	52	20	11	10	1	1	1	0
Multi/interdisciplinary studies, total	13,449	8,146	5,303	2,174	1,720	454	179	138	41
Biological and physical sciences	3,848	2,719	1,129	314	218	96	43	34	9
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	9,601	5,427	4,174	1,860	1,502	358	136	104	32
Parks, recreation, leisure, and fitness studies total	5,514	2,889	2,625	609	387	222	15	12	3
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,514	2,889	2,625	609	387	222	15	12	3
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	8,158	5,752	2,406	1,300	846	454	468	379	89
Philosophy	4,441	3,316	1,125	669	519	150	330	264	66
Religion/religious studies	3,717	2,436	1,281	631	327	304	138	115	23
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	22,497	17,996	4,501	5,331	4,450	881	3,341	3,022	319
Physical sciences, total	22,497	17,996	4,501	5,331	4,450	881	3,341	3,022	319
Physical sciences, general	1,424	1,145	279	212	169	43	82	71	11
Astronomy	122	103	19	68	54	14	74	65	9
Astrophysics	30	28	2	13	13	0	9	8	1
Atmospheric science and meteorology	373	338	35	213	201	12	71	62	9
Chemistry, total	11,215	8,659	2,556	1,767	1,324	443	1,568	1,381	187
Chemistry, general	11,078	8,549	2,529	1,669	1,249	420	1,441	1,270	171
Analytical chemistry	3	2	1	9	6	3	10	8	2
Inorganic chemistry	15	15	0	8	6	2	9	8	1
Organic chemistry	52	40	12	22	17	5	34	29	5
Medicinal/pharmaceutical chemistry	15	11	4	50	39	11	46	41	5
Chemistry, other	52	42	10	9	7	2	28	25	3
Geological and related sciences, total	3,879	3,043	836	1,047	926	121	325	302	23
Geology	3,740	2,937	803	920	811	109	257	237	20
Geochemistry	21	13	8	24	21	3	14	14	0
Geophysics and seismology	118	93	25	103	94	9	54	51	3
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,642	1,286	356	572	465	107	200	182	18
Metallurgy	28	28	0	45	44	1	22	22	0
Oceanography	282	245	37	146	123	23	102	95	7
Earth science	1,116	852	264	249	181	68	52	44	8
Miscellaneous physical sciences, other	216	161	55	132	117	15	24	21	3
Physics, total	3,420	3,062	358	1,319	1,193	126	945	890	55
Physics, general	3,361	3,015	346	1,290	1,170	120	920	869	51
Physics, other	59	47	12	29	23	6	25	21	4
Physical sciences, other	392	332	60	120	105	15	67	61	6
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	14,530	11,546	2,984	1,681	1,393	288	10	8	2
Criminal justice, total	14,530	11,546	2,984	1,681	1,393	288	10	8	2
Corrections/correctional administration	14,530	11,546	2,984	1,681	1,393	288	10	8	2
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	47,861	20,627	27,234	10,859	5,293	5,566	3,386	2,127	1,259
Psychology, general	46,272	20,166	26,106	5,319	2,910	2,409	2,116	1,351	765
Clinical psychology	3	2	1	547	279	268	263	164	99
Counseling psychology	120	61	59	1,783	856	927	174	122	52
Developmental and child psychology	354	61	293	184	68	116	52	28	24
Experimental psychology	44	26	18	53	36	17	63	44	19
Industrial and organizational psychology	70	35	35	73	51	22	8	7	1

Table 22.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1976–77—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	23	7	16	7	4	3	16	13	3
Social psychology	354	150	204	166	69	97	43	24	19
School psychology	488	74	414	2,558	980	1,578	625	357	268
Psychology, other	133	45	88	169	40	129	26	17	9
Public administration and services, total	16,136	5,544	10,592	17,026	8,810	8,216	292	197	95
Community organization, resources and services	1,477	650	827	572	364	208	32	16	16
Public administration	2,313	1,807	506	6,373	4,969	1,404	122	99	23
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	11,673	2,638	9,035	9,596	3,047	6,549	131	76	55
Public administration and services, other	673	449	224	485	430	55	7	6	1
R.O.T.C. and military technologies, total	711	710	1	43	42	1	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	691	690	1	43	42	1	0	0	0
Military technologies, total	20	20	0	0	0	0	0	0	0
Social sciences and history, total	117,040	71,128	45,912	15,533	10,413	5,120	3,802	2,957	845
Social sciences, general	10,783	5,979	4,804	2,019	1,234	785	72	48	24
Anthropology	4,833	2,001	2,832	965	508	457	386	252	134
Archeology	68	26	42	29	10	19	10	6	4
Criminology	2,391	1,693	698	243	173	70	9	8	1
Demography and population studies	19	12	7	17	4	13	11	10	1
Economics	15,296	11,793	3,503	2,158	1,775	383	758	672	86
Geography, total	3,594	2600	994	690	502	188	161	136	25
Geography	3,594	2,600	994	690	502	188	161	136	25
Cartography	0	0	0	0	0	0	0	0	0
History	25,433	16,499	8,934	3,393	2,199	1,194	921	715	206
International relations and affairs	1,406	832	574	985	703	282	89	70	19
Political science and government, general	26,411	18,967	7,444	2,222	1,718	504	641	541	100
Sociology	24,713	9,679	15,034	1,830	1,018	812	714	480	234
Urban affairs/studies	1,473	798	675	861	495	366	14	8	6
Social sciences and history, other	620	249	371	121	74	47	16	11	5
Theological studies and religious vocations, total	6,109	4,534	1,575	3,625	2,488	1,137	1,125	1,083	42
Biblical and other theological languages and literatures	46	40	6	32	30	2	1	1	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,560	795	765	1,325	688	637	41	36	5
Religious/sacred music	288	160	128	228	171	57	10	9	1
Theology and theological studies	3,890	3,295	595	1,831	1,459	372	1,048	1,015	33
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	325	244	81	209	140	69	25	22	3
Transportation and material moving workers, total	1,346	1201	145	125	115	10	6	5	1
Water transportation workers	222	222	0	0	0	0	0	0	0
Transportation and material moving, other	1,124	979	145	125	115	10	6	5	1
Visual and performing arts, total	41,793	16,166	25,627	8,636	4,211	4,425	662	447	215
Visual and performing arts, general	4,888	1,865	3,023	746	347	399	44	23	21
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	801	74	727	200	26	174	6	1	5
Design and applied art	3,558	1,240	2,318	247	130	117	0	0	0
Dramatic/theater arts and stagecraft	5,234	2,192	3,042	1,315	664	651	98	71	27
Film/video and photographic arts, total	1,443	1,083	360	216	167	49	7	5	2
Film-video making/cinematography and production	513	396	117	161	124	37	7	5	2
Photography	930	687	243	55	43	12	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	16,329	5,313	11,016	2,636	1,199	1,437	95	41	54
Art, general	14,257	4,909	9,348	2,224	1,105	1,119	11	3	8
Art history,criticism and conservation	2,072	404	1,668	412	94	318	84	38	46
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	9,158	4,276	4,882	3,147	1,637	1,510	402	300	102
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	235	88	147	101	59	42	32	21	11
Music, general performance	5,384	2,532	2,852	2,334	1,204	1,130	286	222	64
Music theory and composition	3,539	1,656	1,883	712	374	338	84	57	27
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	382	123	259	129	41	88	10	6	4

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1976–77" survey. (This table was prepared September 1993.)

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**921,204**	**487,347**	**433,857**	**311,620**	**161,212**	**150,408**	**32,131**	**23,658**	**8,473**
Agriculture and natural resources, total	22,650	17,069	5,581	4,023	3,268	755	971	909	62
Agricultural business and production, total	9,957	7,768	2,189	1,749	1,449	300	397	378	19
Agricultural business and management, total	6,644	5,700	944	1,339	1,161	178	328	310	18
Agricultural business and management, general	1,929	1,582	347	327	269	58	10	10	0
Agricultural business/agribusiness operations	2,665	2,296	369	458	400	58	157	146	11
Agricultural economics	1,694	1,518	176	552	490	62	161	154	7
Agricultural business and management, other	356	304	52	2	2	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	2,423	1,340	1,083	282	182	100	67	66	1
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	890	728	162	128	106	22	2	2	0
Agricultural sciences, total	6,066	3,961	2,105	1,125	867	258	371	333	38
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,508	2,926	1,582	566	465	101	150	143	7
Animal sciences, general	4,109	2,617	1,492	478	395	83	125	119	6
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	283	215	68	57	45	12	11	10	1
Poultry science	0	0	0	0	0	0	0	0	0
Animal sciences, other	116	94	22	31	25	6	14	14	0
Food sciences and technology	717	387	330	323	202	121	113	86	27
Plant sciences, total	221	194	27	100	86	14	27	27	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	221	194	27	100	86	14	27	27	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	620	454	166	136	114	22	81	77	4
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	6,627	5,340	1,287	1,149	952	197	203	198	5
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	2,268	1,663	605	273	210	63	33	33	0
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	162	142	20	24	21	3	10	10	0
Forestry, general	2,671	2,322	349	488	414	74	93	90	3
Wildlife and wildlands management	1,526	1,213	313	364	307	57	67	65	2
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,250	7,054	2,196	3,115	2,304	811	73	57	16
Architecture	5,405	4,789	616	1,386	1,154	232	14	12	2
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,337	950	387	67	43	24	5	4	1
Interior architecture	864	104	760	26	12	14	0	0	0
Landscape architecture	965	710	255	211	128	83	1	1	0
Architectural urban design and planning	528	380	148	1,359	927	432	49	37	12
Architecture and related programs, other	151	121	30	66	40	26	4	3	1
Area, ethnic, and cultural studies, total	3,257	1,362	1,895	981	516	465	145	100	45
Area studies, total	2,493	1,022	1,471	781	427	354	127	85	42
African studies	21	9	12	21	16	5	7	4	3
American studies/civilization	1,488	581	907	248	117	131	70	46	24
Latin American studies	293	124	169	162	78	84	7	6	1
Middle Eastern studies	63	27	36	52	37	15	17	15	2
Russian and Slavic studies	146	67	79	66	37	29	4	3	1
Asian studies	371	176	195	195	119	76	20	10	10
European studies	104	31	73	25	15	10	2	1	1
Area studies, other	7	7	0	12	8	4	0	0	0
Ethnic and cultural studies, total	402	214	188	56	33	23	0	0	0
Afro-American (black) studies	281	141	140	44	28	16	0	0	0
Hispanic-American studies	102	60	42	12	5	7	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	19	13	6	0	0	0	0	0	0
Area, ethnic and cultural studies, other	362	126	236	144	56	88	18	15	3
Biological sciences/life sciences, total	51,502	31,705	19,797	6,806	4,400	2,406	3,309	2,511	798
Biology, general	37,598	22,928	14,670	3,094	2,005	1,089	664	478	186
Biochemistry and biophysics	1,843	1,313	530	369	253	116	501	391	110
Botany, total	1,220	651	569	511	319	192	247	198	49
Botany, general	1,019	522	497	302	181	121	139	102	37
Plant pathology	113	77	36	174	113	61	93	83	10
Botany, other	88	52	36	35	25	10	15	13	2
Cell and molecular biology, total	295	168	127	46	25	21	91	60	31
Cell biology	54	11	43	19	5	14	25	15	10

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	241	157	84	27	20	7	66	45	21
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,695	1,419	1,276	615	362	253	353	257	96
Miscellaneous biological specializations, total	1,675	1,087	588	836	487	349	444	317	127
Anatomy	2	2	0	88	57	31	131	93	38
Ecology	841	554	287	189	140	49	48	40	8
Marine biology	509	405	104	103	85	18	24	18	6
Neurosciences	34	19	15	7	2	5	37	34	3
Nutritional sciences	142	32	110	155	47	108	54	30	24
Toxicology	27	21	6	19	16	3	10	8	2
Genetics, plant and animal	97	45	52	136	64	72	93	58	35
Biometrics and biostatistics	17	9	8	109	53	56	25	21	4
Miscellaneous biological specializations, other	6	0	6	30	23	7	22	15	7
Zoology, total	5,139	3,459	1,680	1,160	846	314	885	718	167
Zoology, general	4,478	2,974	1,504	475	318	157	264	212	52
Entomology	301	245	56	230	194	36	142	131	11
Pathology, human and animal	13	4	9	90	64	26	79	57	22
Pharmacology, human and animal	30	23	7	112	83	29	182	142	40
Physiology, human and animal	317	213	104	253	187	66	218	176	42
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,037	680	357	175	103	72	124	92	32
Business management and administrative services and marketing operations/marketing and distribution, total	159,691	116,171	43,520	47,837	39,743	8,094	823	753	70
Business management and administrative services, total	142,669	104,309	38,360	46,235	38,564	7,671	794	729	65
Business, general	31,853	23,058	8,795	9,967	8,227	1,740	162	149	13
Business administration and management, total	50,964	38,769	12,195	25,249	21,398	3,851	457	417	40
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	50,964	38,769	12,195	25,249	21,398	3,851	457	417	40
Accounting	40,145	28,345	11,800	3,354	2,633	721	44	41	3
Administrative and secretarial services	1,611	70	1,541	63	46	17	1	1	0
Business/managerial economics	2,251	1,649	602	313	255	58	54	50	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	9,490	7,722	1,768	3,533	2,947	586	38	36	2
Finance, general	8,755	7,117	1,638	3,289	2,736	553	32	31	1
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	621	516	105	31	25	6	6	5	1
Investments and securities	114	89	25	213	186	27	0	0	0
Hospitality services management	1,696	1,285	411	150	135	15	1	1	0
Human resources management, total	2,792	1,950	842	1,784	1,427	357	15	13	2
Human resources management	1,492	1,037	455	1,049	860	189	1	1	0
Labor/personnel relations and studies	1,300	913	387	735	567	168	14	12	2
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	306	202	104	1,043	825	218	9	9	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	272	199	73	159	117	42	10	9	1
Business statistics	272	199	73	159	117	42	10	9	1
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	659	579	80	78	74	4	1	1	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	630	481	149	542	480	62	2	2	0
Marketing operations/marketing and distribution, total	17,022	11,862	5,160	1,602	1,179	423	29	24	5
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	17,022	11,862	5,160	1,602	1,179	423	29	24	5
Communications and communications technologies, total	25,400	13,480	11,920	3,296	1,673	1,623	191	138	53
Communications, total	23,873	12,526	11,347	3,077	1,528	1,549	179	128	51
Communications, general	9,759	4,974	4,785	1,829	858	971	134	100	34
Advertising	1,410	676	734	117	62	55	0	0	0
Journalism and mass communications, total	12,424	6,689	5,735	1,044	553	491	45	28	17
Journalism	8,299	3,960	4,339	797	402	395	32	19	13
Broadcast journalism	4,125	2,729	1,396	247	151	96	13	9	4
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	280	187	93	87	55	32	0	0	0
Communications technologies, total	1,527	954	573	219	145	74	12	10	2
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,527	954	573	219	145	74	12	10	2
Computer and information sciences, total	7,201	5,349	1,852	3,038	2,471	567	196	181	15

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	5,940	4,429	1,511	2,713	2,192	521	183	170	13
Computer programming	24	16	8	0	0	0	0	0	0
Data processing technology/technician	395	285	110	53	52	1	0	0	0
Information science and systems	742	545	197	234	195	39	13	11	2
Computer systems analysis	61	43	18	30	26	4	0	0	0
Computer and information sciences, other	39	31	8	8	6	2	0	0	0
Education, total	135,821	37,410	98,411	116,916	37,662	79,254	7,018	4,281	2,737
Education, general	3,942	712	3,230	15,741	5,109	10,632	1,376	779	597
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	579	108	471	4,182	1,246	2,936	712	399	313
Education administration and supervision, total	440	124	316	28,242	13,435	14,807	2,223	1,540	683
Education administration and supervision, general	200	47	153	12,451	7,448	5,003	1,560	1,152	408
Administration of special education	0	0	0	43	17	26	34	22	12
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	240	77	163	15,748	5,970	9,778	629	366	263
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	2	0	2	153	46	107	70	37	33
Educational evaluation and research, general	2	0	2	52	26	26	51	22	29
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	0	0	0	101	20	81	19	15	4
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	23	8	15	534	247	287	193	126	67
Special education, total	16,443	1,616	14,827	14,144	2,348	11,796	308	157	151
Special education, general	8,502	902	7,600	9,086	1,550	7,536	255	133	122
Education of the deaf and hearing impaired	388	17	371	444	69	375	2	1	1
Education of the gifted and talented	11	0	11	24	4	20	2	0	2
Education of the emotionally handicapped	553	63	490	540	137	403	3	1	2
Education of the mentally handicapped	3,341	343	2,998	920	192	728	8	5	3
Education of the multiple handicapped	105	20	85	27	8	19	0	0	0
Education of the physically handicapped	213	19	194	88	25	63	1	1	0
Education of the blind and visually handicapped	112	7	105	94	22	72	3	1	2
Education of the specific learning disabled	963	88	875	1,814	193	1,621	23	9	14
Education of the speech impaired	2,110	145	1,965	745	78	667	4	1	3
Special education, other	145	12	133	362	70	292	7	5	2
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	58,484	7,752	50,732	29,550	6,172	23,378	1,104	619	485
Adult and continuing education	34	8	26	919	348	571	147	94	53
Elementary education	49,255	5,844	43,411	19,897	2,647	17,250	223	67	156
Junior high/intermediate and middle school education	204	67	137	66	32	34	0	0	0
Pre-elementary/early childhood/kindergarten education	4,940	148	4,792	1,508	60	1,448	42	9	33
Secondary education	4,031	1,673	2,358	6,508	2,707	3,801	172	109	63
General teacher education, other	20	12	8	652	378	274	520	340	180
Teacher education, academic and vocational programs, total	54,909	26,533	28,376	22,036	8,200	13,836	939	565	374
Agricultural education (vocational)	1,114	984	130	305	277	28	20	18	2
Art education	3,637	886	2,751	966	242	724	40	16	24
Business education (vocational)	4,741	979	3,762	1,670	392	1,278	63	41	22
Driver and safety education	98	85	13	279	240	39	2	2	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,399	798	1,601	1,057	390	667	90	52	38
Home economics education (vocational)	3,044	24	3,020	577	6	571	10	0	10
Technology/industrial arts education	7,407	6,697	710	2,732	2,034	698	228	175	53
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	1,048	439	609	598	230	368	39	22	17
Music education	7,376	3,078	4,298	1,355	679	676	66	44	22
Physical education and coaching	22,699	12,114	10,585	4,638	2,660	1,978	210	126	84
Reading education	234	21	213	6,751	641	6,110	106	18	88
Science education	755	416	339	775	406	369	65	51	14
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	357	12	345	333	3	330	0	0	0
Teaching English as a second language/foreign language	62	21	41	456	132	324	9	4	5
Education, other	937	536	401	1,878	727	1,151	84	55	29
Engineering and engineering-related technologies, total	55,654	51,945	3,709	16,398	15,533	865	2,440	2,383	57
Engineering, total	46,869	43,405	3,464	16,038	15,198	840	2,437	2,380	57
Engineering, general	3,328	3,032	296	1,593	1,500	93	235	230	5
Aerospace, aeronautical, and astronautical engineering	1,186	1,125	61	411	400	11	115	113	2
Agricultural engineering	551	528	23	144	134	10	37	36	1
Architectural engineering	326	305	21	18	18	0	0	0	0
Bioengineering and biomedical engineering	350	271	79	191	175	16	61	61	0

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	152	127	25	47	43	4	19	19	0
Chemical engineering	4,569	3,858	711	1,235	1,148	87	259	252	7
Civil engineering, general	9,135	8,450	685	2,685	2,553	132	277	271	6
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	11,133	10,701	432	3,740	3,598	142	503	490	13
Engineering mechanics	176	170	6	152	143	9	78	78	0
Engineering physics	236	218	18	106	103	3	37	37	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	309	261	48	517	453	64	36	32	4
Geological engineering	157	143	14	52	47	5	0	0	0
Geophysical engineering	56	53	3	19	18	1	1	1	0
Industrial/manufacturing engineering	2,678	2,357	321	1,722	1,584	138	118	113	5
Materials engineering	234	199	35	224	207	17	114	110	4
Mechanical engineering	8,875	8,409	466	1,942	1,885	57	279	273	6
Metallurgical engineering	420	376	44	204	190	14	75	74	1
Mining and mineral engineering	509	487	22	92	89	3	16	16	0
Naval architecture and marine engineering	567	563	4	75	74	1	3	3	0
Nuclear engineering	545	515	30	494	473	21	112	109	3
Ocean engineering	162	155	7	110	109	1	20	20	0
Petroleum engineering	590	554	36	98	95	3	21	21	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	60	52	8	9	9	0	1	1	0
Engineering, other	565	496	69	158	150	8	20	20	0
Engineering-related technologies, total	8,785	8,540	245	360	335	25	3	3	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	8,785	8,540	245	360	335	25	3	3	0
English language and literature/letters, total	35,328	13,137	22,191	7,655	2,706	4,949	1,400	758	642
English language and literature, general	28,505	10,332	18,173	5,808	2,015	3,793	1,078	575	503
Comparative literature	529	165	364	211	83	128	128	60	68
English composition	0	0	0	0	0	0	0	0	0
English creative writing	257	120	137	200	116	84	2	1	1
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	5,508	2,275	3,233	1,326	445	881	177	115	62
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	529	245	284	110	47	63	15	7	8
Foreign languages and literatures, total	13,767	3,482	10,285	3,377	1,080	2,297	865	425	440
Foreign languages and literatures, total	1,639	485	1154	1,024	367	657	339	182	157
Foreign languages and literatures, general	1,043	297	746	505	160	345	180	85	95
Linguistics	596	188	408	519	207	312	159	97	62
East and southeast asian languages and literatures, total	271	113	158	41	17	24	5	5	0
Chinese	116	56	60	23	9	14	4	4	0
Japanese	155	57	98	18	8	10	1	1	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	524	223	301	119	50	69	49	29	20
Russian	442	187	255	50	24	26	12	5	7
Slavic languages (other than Russian)	82	36	46	69	26	43	37	24	13
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,685	575	1,110	373	136	237	102	48	54
German	1,647	567	1,080	357	130	227	101	47	54
Scandinavian languages	38	8	30	16	6	10	1	1	0
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	3	1	2	2	0	2	1	1	0
Romance languages and literatures, total	8,841	1,699	7,142	1,572	371	1,201	287	113	174
French	3,708	566	3,142	692	137	555	155	47	108
Italian	301	72	229	58	13	45	19	8	11
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	4,832	1,061	3,771	822	221	601	113	58	55
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	81	30	51	41	34	7	2	1	1
Arabic	8	3	5	3	2	1	1	0	1
Hebrew	73	27	46	38	32	6	1	1	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	663	332	331	156	86	70	66	37	29
Classics and classical languages	441	220	221	132	78	54	57	34	23
Greek (ancient and medieval)	105	57	48	10	5	5	7	3	4
Latin (ancient and medieval)	117	55	62	14	3	11	2	0	2
Foreign languages and literatures, other	60	24	36	49	19	30	14	9	5
Health professions and related sciences, total	59,434	11,593	47,841	14,325	4,265	10,060	654	402	252
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	3,551	304	3,247	3,170	268	2,902	121	63	58
Community health liason	552	261	291	2,244	1,065	1,179	148	89	59
Dentistry specialties	0	0	0	352	330	22	10	6	4
Dental services	1,152	18	1,134	33	3	30	0	0	0
Health and medical administrative services, total	1,704	481	1,223	1,548	987	561	12	10	2
Health care and services administration	1,158	442	716	1,548	987	561	12	10	2
Medical records administration	546	39	507	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,624	1,253	4,371	305	147	158	6	5	1
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,624	1,253	4,371	305	147	158	6	5	1
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	0	0	0	77	58	19	27	21	6
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	266	45	221	706	275	431	16	9	7
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	266	45	221	706	275	431	16	9	7
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	30,003	1,622	28,381	3,779	141	3,638	56	3	53
Optometry	385	314	71	7	7	0	7	6	1
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	7,296	4,712	2,584	320	229	91	96	83	13
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	3,885	615	3,270	480	92	388	1	1	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,499	103	1,396	222	18	204	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,386	512	1,874	258	74	184	1	1	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	150	117	33	31	27	4
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	5,016	1,968	3,048	1,154	546	608	123	79	44
Home economics and vocational home economics, total	17,621	785	16,836	2,613	212	2,401	203	58	145
Home economics, total	16,414	619	15,795	2,471	200	2,271	191	54	137
Home economics, general	6,259	158	6,101	949	28	921	71	7	64
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,127	173	2,954	630	101	529	71	32	39
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	3,028	178	2,850	676	62	614	33	14	19
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	2,819	55	2,764	122	2	120	10	1	9
Home economics, other	1,181	55	1,126	94	7	87	6	0	6
Vocational home economics, total	1,207	166	1,041	142	12	130	12	4	8
Consumer and homemaking education	746	23	723	91	7	84	12	4	8
Custodial, housekeeping and home services workers and managers	461	143	318	51	5	46	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	653	466	187	1,786	1,525	261	39	34	5
Law, general	645	462	183	1,217	1,018	199	39	34	5
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	8	4	4	569	507	62	0	0	0
Liberal arts and sciences, general studies, and humanities, total	23,509	11,425	12,084	2,259	1,062	1,197	139	93	46

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	23,509	11425	12084	2,259	1062	1197	139	93	46
Liberal arts and sciences/liberal studies	19,694	9,894	9,800	1,387	621	766	55	41	14
Humanities/humanistic studies	3,815	1,531	2,284	872	441	431	84	52	32
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	693	80	613	6,914	1,384	5,530	67	43	24
Library science/librarianship	680	76	604	6,816	1,367	5,449	58	37	21
Library science, other	13	4	9	98	17	81	9	6	3
Mathematics, total	13,065	7,806	5,259	3,862	2,635	1,227	848	722	126
Mathematics	11,754	6,881	4,873	2,630	1,666	964	592	509	83
Applied mathematics, total	908	676	232	684	567	117	99	91	8
Applied mathematics, general	412	268	144	195	160	35	56	50	6
Operations research	496	408	88	489	407	82	43	41	2
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	273	166	107	507	373	134	153	121	32
Mathematics, other	130	83	47	41	29	12	4	1	3
Multi/interdisciplinary studies, total	12,129	7,385	4,744	2,228	1,744	484	162	112	50
Biological and physical sciences	3,586	2,417	1,169	376	274	102	56	40	16
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	8,543	4,968	3,575	1,852	1,470	382	106	72	34
Parks, recreation, leisure, and fitness studies total	5,623	2,764	2,859	574	327	247	10	9	1
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,623	2,764	2,859	574	327	247	10	9	1
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	7,907	5,459	2,448	1,249	707	542	444	368	76
Philosophy	4,015	2,941	1,074	564	421	143	283	235	48
Religion/religious studies	3,892	2,518	1,374	685	286	399	161	133	28
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	22,986	18,090	4,896	5,561	4,620	941	3,133	2,821	312
Physical sciences, total	22,986	18,090	4,896	5,561	4,620	941	3,133	2,821	312
Physical sciences, general	1,285	1,015	270	195	156	39	73	65	8
Astronomy	110	86	24	84	72	12	80	76	4
Astrophysics	18	16	2	11	11	0	9	9	0
Atmospheric science and meteorology	353	318	35	199	187	12	58	56	2
Chemistry, total	11,315	8,518	2,797	1,886	1,445	441	1,521	1,318	203
Chemistry, general	11,249	8,468	2,781	1,751	1,345	406	1,374	1,183	191
Analytical chemistry	1	1	0	18	14	4	19	17	2
Inorganic chemistry	52	40	12	9	7	2	23	23	0
Organic chemistry	0	0	0	23	18	5	24	22	2
Medicinal/pharmaceutical chemistry	11	7	4	54	37	17	60	58	2
Chemistry, other	2	2	0	31	24	7	21	15	6
Geological and related sciences, total	4,342	3,384	958	1,239	1,026	213	268	242	26
Geology	4,189	3,261	928	1,126	922	204	228	204	24
Geochemistry	9	6	3	16	13	3	6	6	0
Geophysics and seismology	144	117	27	97	91	6	34	32	2
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,540	1,181	359	521	439	82	209	192	17
Metallurgy	29	26	3	31	28	3	19	19	0
Oceanography	234	206	28	177	156	21	91	86	5
Earth science	1,069	797	272	215	171	44	55	49	6
Miscellaneous physical sciences, other	208	152	56	98	84	14	44	38	6
Physics, total	3,330	2,961	369	1,294	1,171	123	873	824	49
Physics, general	3,259	2,905	354	1,270	1,152	118	841	794	47
Physics, other	71	56	15	24	19	5	32	30	2
Physical sciences, other	693	611	82	132	113	19	42	39	3
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	14,885	10,921	3,964	1,902	1,511	391	17	12	5
Criminal justice, total	14,885	10,921	3,964	1,902	1,511	391	17	12	5
Corrections/correctional administration	14,885	10,921	3,964	1,902	1,511	391	17	12	5
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	44,879	18,422	26,457	10,282	4,670	5,612	3,164	1,974	1,190
Psychology, general	43,092	17,819	25,273	5,162	2,618	2,544	1,958	1,243	715
Clinical psychology	4	2	2	483	213	270	338	201	137
Counseling psychology	130	55	75	1,719	745	974	72	47	25
Developmental and child psychology	439	50	389	217	71	146	39	23	16
Experimental psychology	38	17	21	67	41	26	50	33	17
Industrial and organizational psychology	35	21	14	106	66	40	4	3	1

Table 23.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1977–78—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	33	15	18	6	6	0	15	10	5
Social psychology	504	238	266	241	121	120	84	45	39
School psychology	320	74	246	2,122	751	1,371	577	353	224
Psychology, other	284	131	153	159	38	121	27	16	11
Public administration and services, total	16,607	5,096	11,511	17,337	8,513	8,824	357	237	120
Community organization, resources and services	1,596	640	956	425	263	162	56	29	27
Public administration	2,034	1,449	585	6,833	5,146	1,687	153	128	25
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	12,423	2,658	9,765	9,737	2,847	6,890	138	72	66
Public administration and services, other	554	349	205	342	257	85	10	8	2
R.O.T.C. and military technologies, total	134	133	1	45	44	1	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	55	54	1	45	44	1	0	0	0
Military technologies, total	79	79	0	0	0	0	0	0	0
Social sciences and history, total	112,952	67,217	45,735	14,718	9,845	4,873	3,594	2,722	872
Social sciences, general	11,270	6,560	4,710	2,257	1,480	777	110	83	27
Anthropology	4,286	1,703	2,583	856	429	427	398	240	158
Archeology	72	28	44	25	11	14	16	8	8
Criminology	2,350	1,502	848	284	230	54	12	6	6
Demography and population studies	82	38	44	26	18	8	7	6	1
Economics	15,661	11,758	3,903	1,995	1,599	396	706	626	80
Geography, total	3,719	2683	1036	648	492	156	158	128	30
Geography	3,719	2,683	1,036	648	492	156	158	128	30
Cartography	0	0	0	0	0	0	0	0	0
History	23,004	14,764	8,240	3,033	1,929	1,104	813	629	184
International relations and affairs	1,560	876	684	1,012	728	284	65	56	9
Political science and government, general	26,069	17,954	8,115	2,069	1,523	546	636	517	119
Sociology	22,750	8,322	14,428	1,611	878	733	599	376	223
Urban affairs/studies	1,342	714	628	745	452	293	9	7	2
Social sciences and history, other	787	315	472	157	76	81	65	40	25
Theological studies and religious vocations, total	6,319	4,793	1,526	3,329	2,314	1,015	1,160	1,106	54
Biblical and other theological languages and literatures	38	37	1	36	31	5	9	5	4
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,665	944	721	1,094	538	556	37	32	5
Religious/sacred music	294	174	120	142	99	43	5	4	1
Theology and theological studies	4,027	3,424	603	1,847	1,501	346	1,079	1,038	41
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	295	214	81	210	145	65	30	27	3
Transportation and material moving workers, total	1,336	1176	160	158	151	7	1	1	0
Water transportation workers	252	244	8	0	0	0	0	0	0
Transportation and material moving, other	1,084	932	152	158	151	7	1	1	0
Visual and performing arts, total	40,951	15,572	25,379	9,036	4,327	4,709	708	448	260
Visual and performing arts, general	4,639	1,653	2,986	668	315	353	76	33	43
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	886	96	790	205	22	183	0	0	0
Design and applied art	3,523	1,130	2,393	282	132	150	1	1	0
Dramatic/theater arts and stagecraft	5,043	2,074	2,969	1,295	659	636	116	80	36
Film/video and photographic arts, total	1,610	1,165	445	236	169	67	3	2	1
Film-video making/cinematography and production	651	469	182	147	104	43	2	1	1
Photography	959	696	263	89	65	24	1	1	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	15,925	5,142	10,783	2,739	1,218	1,521	115	46	69
Art, general	14,099	4,825	9,274	2,333	1,131	1,202	6	3	3
Art history,criticism and conservation	1,826	317	1,509	406	87	319	109	43	66
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	9,001	4,228	4,773	3,464	1,772	1,692	395	285	110
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	169	58	111	98	40	58	41	26	15
Music, general performance	5,235	2,570	2,665	2,668	1,367	1,301	266	205	61
Music theory and composition	3,597	1,600	1,997	698	365	333	88	54	34
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	324	84	240	147	40	107	2	1	1

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1977–78" survey. (This table was prepared September, 1993.)

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**921,390**	**477,344**	**444,046**	**301,079**	**153,370**	**147,709**	**32,730**	**23,541**	**9,189**
Agriculture and natural resources, total	23,134	16,854	6,280	3,994	3,187	807	950	877	73
Agricultural business and production, total	10,663	8,103	2,560	1,805	1,486	319	420	391	29
Agricultural business and management, total	7,121	5,934	1,187	1,371	1,179	192	340	320	20
Agricultural business and management, general	2,041	1,600	441	360	306	54	16	16	0
Agricultural business/agribusiness operations	3,120	2,620	500	495	417	78	177	169	8
Agricultural economics	1,613	1,401	212	507	449	58	146	134	12
Agricultural business and management, other	347	313	34	9	7	2	1	1	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	2,500	1,349	1,151	296	194	102	74	65	9
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	1,042	820	222	138	113	25	6	6	0
Agricultural sciences, total	6,237	3,811	2,426	1,163	845	318	334	304	30
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,429	2,696	1,733	593	459	134	158	149	9
Animal sciences, general	4,035	2,408	1,627	479	372	107	130	124	6
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	283	204	79	73	55	18	15	12	3
Poultry science	111	84	27	41	32	9	13	13	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	854	398	456	343	198	145	98	78	20
Plant sciences, total	273	233	40	55	45	10	22	22	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	273	233	40	55	45	10	22	22	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	681	484	197	172	143	29	56	55	1
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	6,234	4,940	1,294	1,026	856	170	196	182	14
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	2,105	1,473	632	248	204	44	27	24	3
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	164	142	22	14	11	3	7	6	1
Forestry, general	2,532	2,188	344	433	368	65	94	86	8
Wildlife and wildlands management	1,433	1,137	296	331	273	58	68	66	2
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,273	6,876	2,397	3,113	2,226	887	96	74	22
Architecture	5,541	4,731	810	1,419	1,118	301	26	20	6
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,107	766	341	101	53	48	3	2	1
Interior architecture	1,034	177	857	24	7	17	0	0	0
Landscape architecture	928	680	248	225	138	87	0	0	0
Architectural urban design and planning	408	317	91	1,259	870	389	64	50	14
Architecture and related programs, other	255	205	50	85	40	45	3	2	1
Area, ethnic, and cultural studies, total	3,006	1,265	1,741	853	437	416	135	85	50
Area studies, total	2,281	935	1,346	701	355	346	107	64	43
African studies	7	4	3	15	11	4	2	1	1
American studies/civilization	1,329	534	795	215	83	132	72	43	29
Latin American studies	245	98	147	118	55	63	5	3	2
Middle Eastern studies	67	36	31	48	35	13	10	7	3
Russian and Slavic studies	138	59	79	71	46	25	1	1	0
Asian studies	379	171	208	205	104	101	15	8	7
European studies	110	28	82	26	19	7	2	1	1
Area studies, other	6	5	1	3	2	1	0	0	0
Ethnic and cultural studies, total	420	189	231	80	43	37	2	0	2
Afro-American (black) studies	285	135	150	61	33	28	2	0	2
Hispanic-American studies	100	39	61	19	10	9	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	35	15	20	0	0	0	0	0	0
Area, ethnic and cultural studies, other	305	141	164	72	39	33	26	21	5
Biological sciences/life sciences, total	48,846	29,191	19,655	6,831	4,265	2,566	3,542	2,636	906
Biology, general	35,962	21,318	14,644	3,093	1,942	1,151	663	472	191
Biochemistry and biophysics	1,903	1,281	622	347	205	142	542	423	119
Botany, total	916	478	438	502	320	182	271	205	66
Botany, general	799	409	390	335	209	126	170	123	47
Plant pathology	83	53	30	141	98	43	82	67	15
Botany, other	34	16	18	26	13	13	19	15	4
Cell and molecular biology, total	296	181	115	44	29	15	86	66	20
Cell biology	59	21	38	27	20	7	25	19	6

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	237	160	77	17	9	8	61	47	14
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,670	1,409	1,261	597	353	244	395	270	125
Miscellaneous biological specializations, total	1,407	851	556	941	543	398	520	361	159
Anatomy	4	4	0	102	73	29	145	99	46
Ecology	741	493	248	235	178	57	51	45	6
Marine biology	362	253	109	89	68	21	12	11	1
Neurosciences	45	27	18	7	4	3	49	33	16
Nutritional sciences	133	18	115	193	67	126	83	43	40
Toxicology	18	14	4	35	23	12	13	11	2
Genetics, plant and animal	95	37	58	168	67	101	112	76	36
Biometrics and biostatistics	9	5	4	88	46	42	33	26	7
Miscellaneous biological specializations, other	0	0	0	24	17	7	22	17	5
Zoology, total	4,913	3,240	1,673	1,109	768	341	938	751	187
Zoology, general	4,097	2,715	1,382	460	304	156	268	204	64
Entomology	270	205	65	276	210	66	150	140	10
Pathology, human and animal	27	11	16	87	50	37	75	55	20
Pharmacology, human and animal	148	99	49	76	48	28	194	162	32
Physiology, human and animal	371	210	161	210	156	54	251	190	61
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	779	433	346	198	105	93	127	88	39
Business management and administrative services and marketing operations/marketing and distribution, total	171,241	118,825	52,416	49,855	40,274	9,581	821	724	97
Business management and administrative services, total	152,081	106,321	45,760	48,058	39,011	9,047	789	694	95
Business, general	32,223	22,322	9,901	8,940	7,240	1,700	152	138	14
Business administration and management, total	57,015	41,172	15,843	27,562	22,728	4,834	427	375	52
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	57,015	41,172	15,843	27,562	22,728	4,834	427	375	52
Accounting	41,393	27,907	13,486	3,571	2,744	827	52	45	7
Administrative and secretarial services	1,666	72	1,594	17	2	15	0	0	0
Business/managerial economics	2,576	1,869	707	294	239	55	65	61	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	10,427	8,203	2,224	3,884	3,133	751	50	42	8
Finance, general	9,482	7,447	2,035	3,257	2,636	621	38	31	7
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	602	492	110	55	41	14	5	4	1
Investments and securities	343	264	79	572	456	116	7	7	0
Hospitality services management	1,838	1,365	473	90	75	15	1	1	0
Human resources management, total	2,894	1,899	995	1,854	1,377	477	21	15	6
Human resources management	1,595	1,035	560	1,099	842	257	9	6	3
Labor/personnel relations and studies	1,299	864	435	755	535	220	12	9	3
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	379	234	145	1,120	847	273	7	5	2
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	256	171	85	130	101	29	9	8	1
Business statistics	256	171	85	130	101	29	9	8	1
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	726	608	118	57	51	6	3	3	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	688	499	189	539	474	65	2	1	1
Marketing operations/marketing and distribution, total	19,160	12,504	6,656	1,797	1,263	534	32	30	2
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	19,160	12,504	6,656	1,797	1,263	534	32	30	2
Communications and communications technologies, total	26,457	13,266	13,191	2,882	1,483	1,399	192	138	54
Communications, total	24,906	12,352	12,554	2,654	1,362	1,292	182	130	52
Communications, general	10,398	4,924	5,474	1,390	666	724	144	104	40
Advertising	1,685	789	896	146	73	73	1	1	0
Journalism and mass communications, total	12,565	6,462	6,103	1,053	586	467	37	25	12
Journalism	8,060	3,605	4,455	765	403	362	24	17	7
Broadcast journalism	4,505	2,857	1,648	288	183	105	13	8	5
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	258	177	81	65	37	28	0	0	0
Communications technologies, total	1,551	914	637	228	121	107	10	8	2
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,551	914	637	228	121	107	10	8	2
Computer and information sciences, total	8,719	6,272	2,447	3,055	2,480	575	236	206	30

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	7,300	5,256	2,044	2,773	2,243	530	227	199	28
Computer programming	56	39	17	0	0	0	0	0	0
Data processing technology/technician	442	305	137	51	49	2	0	0	0
Information science and systems	840	619	221	183	153	30	9	7	2
Computer systems analysis	48	35	13	23	20	3	0	0	0
Computer and information sciences, other	33	18	15	25	15	10	0	0	0
Education, total	125,873	33,743	92,130	109,866	34,410	75,456	7,170	4,174	2,996
Education, general	3,761	661	3,100	15,161	4,742	10,419	1,337	766	571
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	294	33	261	4,508	1,338	3,170	788	420	368
Education administration and supervision, total	415	95	320	26,813	12,428	14,385	2,234	1,461	773
Education administration and supervision, general	241	58	183	12,164	7,196	4,968	1,489	1,037	452
Administration of special education	0	0	0	31	11	20	21	14	7
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	174	37	137	14,618	5,221	9,397	724	410	314
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	7	3	4	205	71	134	76	40	36
Educational evaluation and research, general	3	1	2	61	31	30	53	27	26
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	4	2	2	144	40	104	23	13	10
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	42	9	33	420	192	228	212	141	71
Special education, total	15,442	1,348	14,094	13,585	2,135	11,450	292	127	165
Special education, general	8,747	840	7,907	8,844	1,425	7,419	234	103	131
Education of the deaf and hearing impaired	409	17	392	467	82	385	2	2	0
Education of the gifted and talented	47	4	43	80	4	76	1	0	1
Education of the emotionally handicapped	572	58	514	523	113	410	4	2	2
Education of the mentally handicapped	2,537	211	2,326	936	159	777	9	4	5
Education of the multiple handicapped	163	17	146	79	23	56	0	0	0
Education of the physically handicapped	187	21	166	82	23	59	4	1	3
Education of the blind and visually handicapped	63	5	58	103	30	73	0	0	0
Education of the specific learning disabled	894	67	827	1,575	160	1,415	31	13	18
Education of the speech impaired	1,690	102	1,588	570	37	533	1	0	1
Special education, other	133	6	127	326	79	247	6	2	4
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	53,871	6,884	46,987	26,948	5,629	21,319	1,142	583	559
Adult and continuing education	46	15	31	929	363	566	113	71	42
Elementary education	44,792	5,011	39,781	17,452	2,302	15,150	198	55	143
Junior high/intermediate and middle school education	238	84	154	103	53	50	0	0	0
Pre-elementary/early childhood/kindergarten education	4,840	124	4,716	1,665	47	1,618	46	10	36
Secondary education	3,936	1,639	2,297	6,062	2,468	3,594	220	114	106
General teacher education, other	19	11	8	737	396	341	565	333	232
Teacher education, academic and vocational programs, total	50,897	24,025	26,872	20,168	7,176	12,992	1,006	589	417
Agricultural education (vocational)	1,144	921	223	229	206	23	10	10	0
Art education	3,103	722	2,381	916	246	670	47	25	22
Business education (vocational)	4,403	858	3,545	1,464	358	1,106	55	32	23
Driver and safety education	93	79	14	259	215	44	4	4	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,501	663	1,838	1,038	297	741	84	45	39
Home economics education (vocational)	2,581	25	2,556	497	7	490	11	0	11
Technology/industrial arts education	6,853	6,178	675	2,472	1,805	667	236	171	65
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	850	337	513	483	199	284	42	27	15
Music education	6,681	2,833	3,848	1,282	601	681	90	53	37
Physical education and coaching	21,244	11,004	10,240	4,216	2,340	1,876	238	146	92
Reading education	296	17	279	6,686	586	6,100	116	23	93
Science education	777	379	398	577	312	265	73	53	20
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	371	9	362	49	4	45	0	0	0
Teaching English as a second language/foreign language	103	24	79	459	146	313	5	4	1
Education, other	1,041	661	380	1,599	553	1,046	78	43	35
Engineering and engineering-related technologies, total	62,375	57,201	5,174	15,495	14,544	951	2,506	2,423	83
Engineering, total	53,021	48,174	4,847	15,227	14,294	933	2,500	2,417	83
Engineering, general	4,110	3,675	435	1,430	1,332	98	219	207	12
Aerospace, aeronautical, and astronautical engineering	1,386	1,320	66	372	355	17	95	95	0
Agricultural engineering	721	676	45	143	136	7	47	46	1
Architectural engineering	334	296	38	19	19	0	0	0	0
Bioengineering and biomedical engineering	422	328	94	189	166	23	50	48	2

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Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	180	135	45	53	47	6	16	15	1
Chemical engineering	5,568	4,579	989	1,149	1,035	114	304	296	8
Civil engineering, general	9,809	8,865	944	2,646	2,503	143	253	249	4
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	12,338	11,682	656	3,591	3,449	142	586	572	14
Engineering mechanics	189	172	17	134	128	6	80	77	3
Engineering physics	269	230	39	89	65	4	40	40	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	308	252	56	491	420	71	42	39	3
Geological engineering	191	162	29	27	25	2	3	3	0
Geophysical engineering	36	33	3	16	16	0	1	1	0
Industrial/manufacturing engineering	2,785	2,358	427	1,502	1,374	128	149	135	14
Materials engineering	338	282	56	241	209	32	107	100	7
Mechanical engineering	10,107	9,505	602	1,877	1,810	67	271	268	3
Metallurgical engineering	503	422	81	198	185	13	56	56	0
Mining and mineral engineering	600	565	35	92	89	3	9	9	0
Naval architecture and marine engineering	562	555	7	73	71	2	3	3	0
Nuclear engineering	513	489	24	401	384	17	91	86	5
Ocean engineering	160	153	7	96	95	1	24	24	0
Petroleum engineering	787	738	49	127	121	6	24	20	4
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	100	76	24	20	18	2	8	8	0
Engineering, other	705	626	79	251	222	29	22	20	2
Engineering-related technologies, total	9,354	9,027	327	268	250	18	6	6	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	9,354	9,027	327	268	250	18	6	6	0
English language and literature/letters, total	33,561	12,198	21,363	6,684	2,369	4,315	1,314	708	606
English language and literature, general	26,661	9,353	17,308	4,996	1,778	3,218	957	499	458
Comparative literature	343	113	230	181	62	119	128	69	59
English composition	0	0	0	0	0	0	0	0	0
English creative writing	305	107	198	242	119	123	5	1	4
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	5,639	2,353	3,286	1,206	389	817	202	124	78
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	613	272	341	59	21	38	22	15	7
Foreign languages and literatures, total	12,821	3,234	9,587	3,031	1,001	2,030	831	401	430
Foreign languages and literatures, total	1,410	386	1024	949	341	608	316	146	170
Foreign languages and literatures, general	825	209	616	447	135	312	173	72	101
Linguistics	585	177	408	502	206	296	143	74	69
East and southeast asian languages and literatures, total	200	79	121	31	16	15	13	11	2
Chinese	91	38	53	22	11	11	12	11	1
Japanese	109	41	68	9	5	4	1	0	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	512	193	319	108	53	55	38	18	20
Russian	465	173	292	51	23	28	9	3	6
Slavic languages (other than Russian)	47	20	27	57	30	27	29	15	14
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,565	502	1,063	355	130	225	110	49	61
German	1,524	491	1,033	344	127	217	106	49	57
Scandinavian languages	41	11	30	11	3	8	4	0	4
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	0	0	0	5	2	3	1	0	1
Romance languages and literatures, total	8,357	1,702	6,655	1,356	321	1,035	275	124	151
French	3,558	595	2,963	576	114	462	143	53	90
Italian	236	60	176	60	24	36	14	11	3
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	4,563	1,047	3,516	720	183	537	118	60	58
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	72	20	52	36	28	8	15	13	2
Arabic	4	1	3	4	3	1	5	4	1
Hebrew	68	19	49	32	25	7	10	9	1
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	622	325	297	147	86	61	51	33	18
Classics and classical languages	411	203	208	103	56	47	47	31	16
Greek (ancient and medieval)	101	65	36	20	14	6	3	1	2
Latin (ancient and medieval)	110	57	53	24	16	8	1	1	0
Foreign languages and literatures, other	83	27	56	44	24	20	12	7	5
Health professions and related sciences, total	62,085	11,205	50,880	15,485	4,494	10,991	718	454	264
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	3,554	257	3,297	3,474	315	3,159	113	53	60
Community health liason	506	239	267	2,435	1,081	1,354	169	104	65
Dentistry specialties	0	0	0	408	362	46	28	26	2
Dental services	1,269	16	1,253	35	7	28	0	0	0
Health and medical administrative services, total	2,014	532	1,482	1,737	1,074	663	16	12	4
Health care and services administration	1,338	474	864	1,736	1,073	663	16	12	4
Medical records administration	676	58	618	1	1	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,625	1,292	4,333	328	157	171	6	5	1
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,625	1,292	4,333	328	157	171	6	5	1
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	0	0	0	60	45	15	24	20	4
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	266	44	222	704	271	433	13	7	6
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	266	44	222	704	271	433	13	7	6
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	31,448	1,785	29,663	4,231	168	4,063	68	3	65
Optometry	205	150	55	6	6	0	1	1	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,752	4,131	2,621	330	241	89	104	81	23
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	4,224	662	3,562	488	111	377	2	1	1
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,604	90	1,514	246	23	223	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,620	572	2,048	242	88	154	2	1	1
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	136	107	29	57	52	5
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	6,222	2,097	4,125	1,113	549	564	117	89	28
Home economics and vocational home economics, total	18,300	890	17,410	2,510	222	2,288	219	71	148
Home economics, total	16,882	611	16,271	2,397	215	2,182	202	68	134
Home economics, general	6,142	102	6,040	850	32	818	74	12	62
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,312	157	3,155	612	112	500	78	44	34
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	3,063	216	2,847	687	45	642	29	8	21
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	3,114	60	3,054	134	3	131	18	4	14
Home economics, other	1,251	76	1,175	114	23	91	3	0	3
Vocational home economics, total	1,418	279	1,139	113	7	106	17	3	14
Consumer and homemaking education	908	63	845	61	0	61	17	3	14
Custodial, housekeeping and home services workers and managers	510	216	294	52	7	45	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	678	404	274	1,647	1,392	255	46	39	7
Law, general	657	400	257	1,467	1,243	224	46	39	7
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	21	4	17	180	149	31	0	0	0
Liberal arts and sciences, general studies, and humanities, total	22,750	10,580	12,170	2,452	1,196	1,256	367	241	126

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	22,750	10580	12170	2,452	1196	1256	367	241	126
Liberal arts and sciences/liberal studies	19,524	9,208	10,316	1,251	523	728	264	193	71
Humanities/humanistic studies	3,226	1,372	1,854	1,201	673	528	103	48	55
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	558	30	528	5,906	1,159	4,747	70	34	36
Library science/librarianship	542	28	514	5,810	1,136	4,674	66	31	35
Library science, other	16	2	14	96	23	73	4	3	1
Mathematics, total	12,329	7,301	5,028	3,553	2,412	1,141	769	644	125
Mathematics	10,974	6,341	4,633	2,245	1,410	835	533	448	85
Applied mathematics, total	1,008	744	264	721	578	143	92	83	9
Applied mathematics, general	485	342	143	204	151	53	53	47	6
Operations research	523	402	121	517	427	90	39	36	3
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	214	132	82	532	380	152	142	112	30
Mathematics, other	133	84	49	55	44	11	2	1	1
Multi/interdisciplinary studies, total	11,404	6,534	4,870	2,134	1,611	523	342	263	79
Biological and physical sciences	3,559	2,353	1,206	341	223	118	51	46	5
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	7,845	4,181	3,664	1,793	1,388	405	291	217	74
Parks, recreation, leisure, and fitness studies total	5,981	2,575	3,406	755	361	394	25	19	6
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,981	2,575	3,406	755	361	394	25	19	6
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	7,347	5,095	2,252	1,143	670	473	415	322	93
Philosophy	3,776	2,747	1,029	517	381	136	258	204	54
Religion/religious studies	3,571	2,348	1,223	626	289	337	157	118	39
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	23,207	17,985	5,222	5,451	4,461	990	3,102	2,752	350
Physical sciences, total	23,207	17,985	5,222	5,451	4,461	990	3,102	2,752	350
Physical sciences, general	1,143	925	218	168	132	36	42	37	5
Astronomy	93	73	20	97	82	15	65	61	4
Astrophysics	27	27	0	19	19	0	16	16	0
Atmospheric science and meteorology	326	289	37	181	165	16	51	50	1
Chemistry, total	11,509	8,458	3,051	1,757	1,312	445	1,516	1,286	230
Chemistry, general	11,479	8,431	3,048	1,667	1,243	424	1,396	1,184	212
Analytical chemistry	3	3	0	9	9	0	15	11	4
Inorganic chemistry	0	0	0	5	4	1	12	10	2
Organic chemistry	1	1	0	27	18	9	26	23	3
Medicinal/pharmaceutical chemistry	10	9	1	33	23	10	41	35	6
Chemistry, other	16	14	2	16	15	1	26	23	3
Geological and related sciences, total	4,502	3,444	1,058	1,300	1,058	242	286	259	27
Geology	4,333	3,305	1,028	1,204	976	228	222	201	21
Geochemistry	7	5	2	12	10	2	15	14	1
Geophysics and seismology	162	134	28	84	72	12	49	44	5
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,569	1,200	369	472	388	84	170	154	16
Metallurgy	24	23	1	37	34	3	18	18	0
Oceanography	287	251	36	161	137	24	83	75	8
Earth science	962	708	254	134	106	28	40	37	3
Miscellaneous physical sciences, other	296	218	78	140	111	29	29	24	5
Physics, total	3,337	2,938	399	1,319	1,184	135	918	852	66
Physics, general	3,301	2,919	382	1,301	1,172	129	907	843	64
Physics, other	36	19	17	18	12	6	11	9	2
Physical sciences, other	701	631	70	138	121	17	38	37	1
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	14,803	10,307	4,496	1,729	1,346	383	15	14	1
Criminal justice, total	14,803	10,307	4,496	1,729	1,346	383	15	14	1
Corrections/correctional administration	14,803	10,307	4,496	1,729	1,346	383	15	14	1
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	42,697	16,540	26,157	10,132	4,405	5,727	3,228	1,895	1,333
Psychology, general	41,252	16,023	25,229	4,728	2,330	2,398	1,967	1,174	793
Clinical psychology	34	15	19	492	215	277	277	180	97
Counseling psychology	96	37	59	2,115	847	1,268	199	109	90
Developmental and child psychology	292	48	244	203	66	137	40	21	19
Experimental psychology	44	21	23	58	36	22	78	54	24
Industrial and organizational psychology	38	18	20	87	56	31	12	7	5

Table 24.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1978–79—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	31	17	14	1	0	1	18	12	6
Social psychology	327	150	177	181	80	101	62	35	27
School psychology	236	76	160	2,129	733	1,396	566	298	268
Psychology, other	347	135	212	138	42	96	9	5	4
Public administration and services, total	17,328	4,938	12,390	17,306	8,051	9,255	315	215	100
Community organization, resources and services	1,806	581	1,225	512	285	227	36	23	13
Public administration	2,117	1,431	686	6,558	4,634	1,924	138	114	24
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	12,810	2,502	10,308	9,816	2,852	6,964	136	75	61
Public administration and services, other	595	424	171	420	280	140	5	3	2
R.O.T.C. and military technologies, total	114	114	0	38	38	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	48	48	0	38	38	0	0	0	0
Military technologies, total	66	66	0	0	0	0	0	0	0
Social sciences and history, total	108,059	62,852	45,207	12,963	8,395	4,568	3,371	2,501	870
Social sciences, general	10,399	5,719	4,680	1,384	833	551	102	66	36
Anthropology	3,984	1,543	2,441	830	407	423	366	210	156
Archeology	85	31	54	37	13	24	11	7	4
Criminology	2,754	1,786	968	230	170	60	6	4	2
Demography and population studies	1	1	0	22	8	14	10	6	4
Economics	16,409	11,899	4,510	1,955	1,564	391	712	619	93
Geography, total	3,577	2516	1061	621	444	177	136	114	22
Geography	3,577	2,516	1,061	621	444	177	136	114	22
Cartography	0	0	0	0	0	0	0	0	0
History	21,019	13,283	7,736	2,536	1,550	986	756	551	205
International relations and affairs	1,725	939	786	1,002	700	302	63	47	16
Political science and government, general	25,628	17,077	8,551	2,037	1,479	558	563	464	99
Sociology	20,285	7,037	13,248	1,415	745	670	612	391	221
Urban affairs/studies	1,349	675	674	724	420	304	14	12	2
Social sciences and history, other	844	346	498	170	62	108	20	10	10
Theological studies and religious vocations, total	6,091	4,528	1,563	3,558	2,418	1,140	1,232	1,175	57
Biblical and other theological languages and literatures	47	44	3	36	29	7	1	1	0
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,747	945	802	1,073	511	562	29	24	5
Religious/sacred music	277	151	126	158	103	55	8	7	1
Theology and theological studies	3,781	3,220	561	2,125	1,677	448	1,157	1,112	45
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	239	168	71	166	98	68	37	31	6
Transportation and material moving workers, total	1,384	1161	223	134	130	4	3	2	1
Water transportation workers	233	221	12	0	0	0	0	0	0
Transportation and material moving, other	1,151	940	211	134	130	4	3	2	1
Visual and performing arts, total	40,969	15,380	25,589	8,524	3,933	4,591	700	454	246
Visual and performing arts, general	4,851	1,739	3,112	586	255	331	29	17	12
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	808	68	740	247	28	219	5	0	5
Design and applied art	3,822	1,201	2,621	328	146	182	2	1	1
Dramatic/theater arts and stagecraft	5,016	2,063	2,953	1,159	573	586	86	50	36
Film/video and photographic arts, total	1,697	1,202	495	222	147	75	7	5	2
Film-video making/cinematography and production	692	478	214	150	106	44	6	4	2
Photography	1,005	724	281	72	41	31	1	1	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	15,346	4,745	10,601	2,536	1,079	1,457	128	53	75
Art, general	13,264	4,354	8,910	2,132	986	1,146	9	3	6
Art history,criticism and conservation	2,082	391	1,691	404	93	311	119	50	69
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	8,999	4,207	4,792	3,307	1,653	1,654	443	328	115
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	183	67	116	117	62	55	40	30	10
Music, general performance	5,560	2,679	2,881	2,589	1,299	1,290	327	244	83
Music theory and composition	3,256	1,461	1,795	601	292	309	76	54	22
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	430	155	275	139	52	87	0	0	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1978–79" survey. (This table was prepared September, 1993.)

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**929,417**	**473,611**	**455,806**	**298,081**	**150,749**	**147,332**	**32,615**	**22,943**	**9,672**
Agriculture and natural resources, total	22,802	16,045	6,757	3,976	3,082	894	991	879	112
Agricultural business and production, total	11,056	8,152	2,904	1,823	1,460	363	461	422	39
Agricultural business and management, total	7,507	6,030	1,477	1,370	1,137	233	364	337	27
Agricultural business and management, general	2,243	1,723	520	328	274	54	26	25	1
Agricultural business/agribusiness operations	3,249	2,597	652	479	397	82	174	162	12
Agricultural economics	1,780	1,498	282	561	464	97	164	150	14
Agricultural business and management, other	235	212	23	2	2	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	2,380	1,216	1,164	271	185	86	83	73	10
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	1,169	906	263	182	138	44	14	12	2
Agricultural sciences, total	5,912	3,434	2,478	1,141	819	322	340	288	52
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,046	2,286	1,760	589	457	132	173	155	18
Animal sciences, general	3,684	2,031	1,653	472	368	104	136	122	14
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	251	179	72	68	49	19	25	24	1
Poultry science	111	76	35	49	40	9	12	9	3
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	824	394	430	337	178	159	94	69	25
Plant sciences, total	311	248	63	63	52	11	17	16	1
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	311	248	63	63	52	11	17	16	1
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	731	506	225	152	132	20	56	48	8
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	5,834	4,459	1,375	1,012	803	209	190	169	21
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	1,936	1,293	643	235	180	55	30	25	5
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	207	182	25	16	15	1	8	8	0
Forestry, general	2,377	1,981	396	437	351	86	80	72	8
Wildlife and wildlands management	1,314	1,003	311	324	257	67	72	64	8
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,132	6,596	2,536	3,139	2,245	894	79	66	13
Architecture	5,465	4,539	926	1,425	1,132	293	24	21	3
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	943	639	304	135	84	51	2	2	0
Interior architecture	902	86	816	83	54	29	0	0	0
Landscape architecture	1,006	702	304	216	140	76	0	0	0
Architectural urban design and planning	398	292	106	1,185	784	401	52	42	10
Architecture and related programs, other	418	338	80	95	51	44	1	1	0
Area, ethnic, and cultural studies, total	2,840	1,125	1,715	852	442	410	151	99	52
Area studies, total	2,119	832	1,287	640	341	299	118	74	44
African studies	13	7	6	15	10	5	6	4	2
American studies/civilization	1,288	471	817	199	70	129	78	44	34
Latin American studies	277	98	179	130	69	61	3	3	0
Middle Eastern studies	34	16	18	43	33	10	10	9	1
Russian and Slavic studies	96	38	58	44	24	20	0	0	0
Asian studies	348	182	166	187	118	69	21	14	7
European studies	63	20	43	18	16	2	0	0	0
Area studies, other	0	0	0	4	1	3	0	0	0
Ethnic and cultural studies, total	351	142	209	80	39	41	6	4	2
Afro-American (black) studies	261	102	159	59	32	27	6	4	2
Hispanic-American studies	79	36	43	21	7	14	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	11	4	7	0	0	0	0	0	0
Area, ethnic and cultural studies, other	370	151	219	132	62	70	27	21	6
Biological sciences/life sciences, total	46,370	26,828	19,542	6,510	4,098	2,412	3,636	2,690	946
Biology, general	33,523	19,145	14,378	2,911	1,855	1,056	718	517	201
Biochemistry and biophysics	1,789	1,171	618	318	207	111	565	424	141
Botany, total	820	410	410	489	305	184	274	224	50
Botany, general	724	358	366	300	177	123	161	125	36
Plant pathology	70	40	30	171	115	56	104	91	13
Botany, other	26	12	14	18	13	5	9	8	1
Cell and molecular biology, total	304	188	116	53	28	25	93	57	36
Cell biology	50	26	24	32	15	17	21	14	7

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	254	162	92	21	13	8	72	43	29
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,631	1,281	1,350	596	333	263	376	250	126
Miscellaneous biological specializations, total	1,624	1,025	599	867	505	362	495	342	153
Anatomy	1	1	0	90	65	25	144	102	42
Ecology	867	550	317	199	132	67	54	47	7
Marine biology	450	334	116	104	81	23	13	10	3
Neurosciences	64	40	24	17	10	7	41	25	16
Nutritional sciences	116	31	85	171	56	115	68	39	29
Toxicology	36	23	13	43	33	10	15	12	3
Genetics, plant and animal	73	35	38	124	55	69	124	80	44
Biometrics and biostatistics	15	10	5	95	51	44	29	21	8
Miscellaneous biological specializations, other	2	1	1	24	22	2	7	6	1
Zoology, total	4,374	2,845	1,529	1,078	753	325	955	764	191
Zoology, general	3,653	2,350	1,303	431	298	133	245	199	46
Entomology	262	204	58	253	199	54	154	131	23
Pathology, human and animal	40	23	17	72	39	33	103	80	23
Pharmacology, human and animal	33	18	15	84	58	26	213	160	53
Physiology, human and animal	386	250	136	238	159	79	240	194	46
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,305	763	542	198	112	86	160	112	48
Business management and administrative services and marketing operations/marketing and distribution, total	184,867	122,508	62,359	54,484	42,288	12,196	753	642	111
Business management and administrative services, total	162,714	106,819	53,895	52,533	40,942	11,591	718	611	107
Business, general	34,457	22,920	11,537	10,650	8,167	2,483	113	98	15
Business administration and management, total	61,593	42,662	18,931	30,186	23,905	6,281	410	351	59
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	61,593	42,662	18,931	30,186	23,905	6,281	410	351	59
Accounting	42,712	27,295	15,417	3,456	2,499	957	51	42	9
Administrative and secretarial services	1,620	64	1,556	7	0	7	0	0	0
Business/managerial economics	2,533	1,841	692	307	239	68	48	42	6
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	11,727	8,725	3,002	3,748	2,916	832	41	35	6
Finance, general	11,019	8,191	2,828	3,604	2,796	808	37	32	5
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	561	438	123	40	32	8	4	3	1
Investments and securities	147	96	51	104	88	16	0	0	0
Hospitality services management	1,714	1,197	517	76	61	15	1	1	0
Human resources management, total	3,481	2,095	1,366	1,820	1,350	470	23	17	6
Human resources management	2,109	1,277	832	1,035	799	236	9	7	2
Labor/personnel relations and studies	1,352	818	534	785	551	234	14	10	4
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	493	267	226	1,220	915	305	8	7	1
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	256	161	95	99	68	31	10	6	4
Business statistics	256	161	95	99	68	31	10	6	4
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	866	736	130	86	75	11	3	3	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	1,282	856	426	878	747	131	10	9	1
Marketing operations/marketing and distribution, total	22,153	13,689	8,464	1,951	1,346	605	35	31	4
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	22,153	13,689	8,464	1,951	1,346	605	35	31	4
Communications and communications technologies, total	28,616	13,656	14,960	3,082	1,527	1,555	193	121	72
Communications, total	26,927	12,727	14,200	2,911	1,422	1,489	182	112	70
Communications, general	11,588	5,258	6,330	1,558	744	814	139	83	56
Advertising	1,940	777	1,163	118	52	66	0	0	0
Journalism and mass communications, total	12,939	6,441	6,498	1,108	550	558	40	27	13
Journalism	8,457	3,662	4,795	866	400	466	30	21	9
Broadcast journalism	4,482	2,779	1,703	242	150	92	10	6	4
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	460	251	209	127	76	51	3	2	1
Communications technologies, total	1,689	929	760	171	105	66	11	9	2
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,689	929	760	171	105	66	11	9	2
Computer and information sciences, total	11,154	7,782	3,372	3,647	2,883	764	240	213	27

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	9,118	6,407	2,711	3,324	2,626	698	220	197	23
Computer programming	148	96	52	0	0	0	0	0	0
Data processing technology/technician	580	398	182	6	6	0	0	0	0
Information science and systems	1,210	815	395	265	210	55	18	15	3
Computer systems analysis	38	23	15	25	20	5	1	1	0
Computer and information sciences, other	60	43	17	27	21	6	1	0	1
Education, total	118,038	30,901	87,137	101,819	30,300	71,519	7,314	4,100	3,214
Education, general	3,816	880	2,936	13,296	3,979	9,317	1,321	694	627
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	268	17	251	3,957	1,083	2,874	751	370	381
Education administration and supervision, total	263	77	186	24,017	10,681	13,336	2,196	1,390	806
Education administration and supervision, general	61	19	42	10,786	6,287	4,499	1,532	1,027	505
Administration of special education	8	0	8	34	15	19	15	10	5
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	194	58	136	13,197	4,379	8,818	649	353	296
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	43	3	40	205	63	142	76	43	33
Educational evaluation and research, general	2	0	2	62	26	36	52	29	23
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	41	3	38	143	37	106	24	14	10
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	37	7	30	449	200	249	209	122	87
Special education, total	14,480	1,280	13,200	13,245	1,949	11,296	307	132	175
Special education, general	8,897	853	8,044	8,979	1,317	7,662	260	111	149
Education of the deaf and hearing impaired	378	14	364	376	60	316	1	1	0
Education of the gifted and talented	17	0	17	46	5	41	2	0	2
Education of the emotionally handicapped	463	40	423	553	106	447	3	1	2
Education of the mentally handicapped	2,066	208	1,858	790	155	635	8	6	2
Education of the multiple handicapped	72	2	70	80	13	67	0	0	0
Education of the physically handicapped	117	19	98	60	13	47	2	0	2
Education of the blind and visually handicapped	76	5	71	104	25	79	1	0	1
Education of the specific learning disabled	875	60	815	1,479	174	1,305	22	9	13
Education of the speech impaired	1,399	67	1,332	503	31	472	4	1	3
Special education, other	120	12	108	275	50	225	4	3	1
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	50,604	5,886	44,718	24,808	4,732	20,076	1,184	630	554
Adult and continuing education	49	11	38	948	318	630	140	86	54
Elementary education	42,042	4,301	37,741	15,891	1,833	14,058	214	77	137
Junior high/intermediate and middle school education	338	74	264	93	29	64	0	0	0
Pre-elementary/early childhood/kindergarten education	4,865	149	4,716	1,660	51	1,609	45	7	38
Secondary education	3,305	1,349	1,956	5,492	2,142	3,350	196	112	84
General teacher education, other	5	2	3	724	359	365	589	348	241
Teacher education, academic and vocational programs, total	47,191	22,185	25,006	19,330	6,806	12,524	1,088	624	464
Agricultural education (vocational)	1,058	892	166	287	230	57	29	28	1
Art education	2,606	598	2,008	780	185	595	41	19	22
Business education (vocational)	3,875	675	3,200	1,307	264	1,043	61	32	29
Driver and safety education	132	115	17	231	196	35	4	4	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,377	646	1,731	1,033	328	705	60	25	35
Home economics education (vocational)	2,078	10	2,068	481	23	458	10	0	10
Technology/industrial arts education	6,539	5,765	774	2,484	1,767	717	281	181	100
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	762	310	452	512	211	301	38	23	15
Music education	6,220	2,605	3,615	1,149	529	620	105	73	32
Physical education and coaching	20,316	10,241	10,075	4,126	2,160	1,966	262	155	107
Reading education	335	17	318	6,299	582	5,717	124	34	90
Science education	672	309	363	591	328	263	73	50	23
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	221	2	219	50	3	47	0	0	0
Teaching English as a second language/foreign language	67	26	41	498	145	353	1	0	1
Education, other	1,269	540	729	2,014	662	1,352	181	95	86
Engineering and engineering-related technologies, total	68,893	62,488	6,405	16,243	15,101	1,142	2,507	2,412	95
Engineering, total	58,402	52,487	5,915	15,904	14,782	1,122	2,502	2,407	95
Engineering, general	3,977	3,499	478	1,597	1,484	113	282	260	22
Aerospace, aeronautical, and astronautical engineering	1,424	1,342	82	382	373	9	99	98	1
Agricultural engineering	745	691	54	152	146	6	61	60	1
Architectural engineering	319	277	42	43	39	4	0	0	0
Bioengineering and biomedical engineering	395	296	99	209	180	29	49	47	2

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	253	207	46	36	34	2	18	18	0
Chemical engineering	6,320	5,113	1,207	1,270	1,137	133	284	269	15
Civil engineering, general	10,326	9,349	977	2,683	2,486	197	270	264	6
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	13,821	12,923	898	3,836	3,652	184	525	511	14
Engineering mechanics	157	146	11	134	125	9	63	61	2
Engineering physics	254	236	18	52	49	3	18	16	2
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	285	231	54	472	408	64	39	37	2
Geological engineering	222	182	40	36	32	4	2	2	0
Geophysical engineering	56	47	9	16	16	0	4	4	0
Industrial/manufacturing engineering	3,175	2,636	539	1,313	1,180	133	116	109	7
Materials engineering	429	352	77	319	284	35	120	113	7
Mechanical engineering	11,808	10,927	881	2,060	1,962	98	281	277	4
Metallurgical engineering	585	485	100	211	190	21	82	77	5
Mining and mineral engineering	682	631	51	87	84	3	7	6	1
Naval architecture and marine engineering	552	538	14	64	64	0	7	7	0
Nuclear engineering	495	453	42	365	346	19	101	100	1
Ocean engineering	167	151	16	102	97	5	8	8	0
Petroleum engineering	893	821	72	122	111	11	25	25	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	55	38	17	8	8	0	0	0	0
Engineering, other	1,007	916	91	335	295	40	41	38	3
Engineering-related technologies, total	10,491	10,001	490	339	319	20	5	5	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	10,491	10,001	490	339	319	20	5	5	0
English language and literature/letters, total	32,541	11,380	21,161	6,189	2,233	3,956	1,294	686	608
English language and literature, general	25,608	8,607	17,001	4,602	1,619	2,983	985	512	473
Comparative literature	354	143	211	163	52	111	98	51	47
English composition	0	0	0	0	0	0	0	0	0
English creative writing	272	99	173	260	130	130	4	0	4
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	5,630	2,274	3,356	1,060	381	679	171	103	68
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	677	257	420	104	51	53	36	20	16
Foreign languages and literatures, total	12,089	3,048	9,041	2,854	929	1,925	755	358	397
Foreign languages and literatures, total	1,241	329	912	915	331	584	292	150	142
Foreign languages and literatures, general	689	195	494	394	124	270	130	57	73
Linguistics	552	134	418	521	207	314	162	93	69
East and southeast asian languages and literatures, total	187	71	116	47	25	22	11	6	5
Chinese	79	38	41	33	19	14	7	5	2
Japanese	108	33	75	14	6	8	4	1	3
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	455	177	278	111	53	58	31	12	19
Russian	402	156	246	60	30	30	6	1	5
Slavic languages (other than Russian)	53	21	32	51	23	28	25	11	14
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,506	515	991	313	118	195	98	49	49
German	1,466	502	964	309	116	193	94	46	48
Scandinavian languages	40	13	27	4	2	2	4	3	1
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	0	0	0	0	0	0	0	0	0
Romance languages and literatures, total	7,888	1,589	6,299	1,247	276	971	240	84	156
French	3,285	567	2,718	513	92	421	128	41	87
Italian	272	70	202	49	17	32	9	3	6
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	4,331	952	3,379	685	167	518	103	40	63
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	91	36	55	40	32	8	12	9	3
Arabic	13	5	8	2	0	2	5	2	3
Hebrew	78	31	47	38	32	6	5	5	0
Middle eastern languages, other	0	0	0	0	0	0	2	2	0

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Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	576	274	302	120	70	50	52	38	14
Classics and classical languages	404	183	221	97	56	41	44	31	13
Greek (ancient and medieval)	77	48	29	9	6	3	6	5	1
Latin (ancient and medieval)	95	43	52	14	8	6	2	2	0
Foreign languages and literatures, other	145	57	88	61	24	37	19	10	9
Health professions and related sciences, total	63,920	11,391	52,529	15,704	4,357	11,347	786	435	351
Chiropractic	105	88	17	0	0	0	0	0	0
Communication disorders sciences and services	3,576	257	3,319	3,290	247	3,043	110	54	56
Community health liason	586	239	347	2,574	1,197	1,377	182	104	78
Dentistry specialties	75	64	11	382	335	47	10	4	6
Dental services	1,240	19	1,221	30	8	22	0	0	0
Health and medical administrative services, total	2,349	589	1,760	1,683	971	712	13	9	4
Health care and services administration	1,692	538	1,154	1,683	971	712	13	9	4
Medical records administration	657	51	606	0	0	0	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,558	1,202	4,356	278	114	164	7	6	1
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,558	1,202	4,356	278	114	164	7	6	1
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	0	0	0	69	54	15	38	31	7
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	313	55	258	636	226	410	15	11	4
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	313	55	258	636	226	410	15	11	4
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	32,441	1,785	30,656	4,616	172	4,444	118	2	116
Optometry	392	315	77	9	8	1	2	2	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,974	4,179	2,795	380	263	117	89	73	16
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	4,004	598	3,406	487	91	396	2	1	1
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,666	76	1,590	205	12	193	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,338	522	1,816	282	79	203	2	1	1
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	148	104	44	67	51	16
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	6,307	2,001	4,306	1,122	567	555	133	87	46
Home economics and vocational home economics, total	18,411	861	17,550	2,690	234	2,456	192	46	146
Home economics, total	17,150	599	16,551	2,542	220	2,322	174	45	129
Home economics, general	6,183	126	6,057	871	26	845	71	13	58
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,263	162	3,101	692	122	570	56	23	33
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	3,167	191	2,976	756	54	702	31	6	25
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	3,254	63	3,191	127	5	122	13	1	12
Home economics, other	1,283	57	1,226	96	13	83	3	2	1
Vocational home economics, total	1,261	262	999	148	14	134	18	1	17
Consumer and homemaking education	706	44	662	91	2	89	17	1	16
Custodial, housekeeping and home services workers and managers	555	218	337	57	12	45	1	0	1
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	683	372	311	1,817	1,531	286	40	36	4
Law, general	621	350	271	1,083	900	183	37	33	4
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	62	22	40	734	631	103	3	3	0
Liberal arts and sciences, general studies, and humanities, total	23,196	10,666	12,530	2,646	1,265	1,381	192	133	59

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	23,196	10,666	12,530	2,646	1,265	1,381	192	133	59
Liberal arts and sciences/liberal studies	20,069	9,389	10,680	1,373	540	833	106	82	24
Humanities/humanistic studies	3,127	1,277	1,850	1,273	725	548	86	51	35
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	398	20	378	5,374	1,004	4,370	73	35	38
Library science/librarianship	387	20	367	5,296	989	4,307	65	29	36
Library science, other	11	0	11	78	15	63	8	6	2
Mathematics, total	11,872	6,951	4,921	3,382	2,262	1,120	763	659	104
Mathematics	10,492	6,011	4,481	2,087	1,272	815	552	481	71
Applied mathematics, total	890	641	249	701	561	140	80	74	6
Applied mathematics, general	396	252	144	179	127	52	41	39	2
Operations research	494	389	105	522	434	88	39	35	4
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	247	143	104	495	362	133	115	91	24
Mathematics, other	243	156	87	99	67	32	16	13	3
Multi/interdisciplinary studies, total	11,277	6,531	4,746	2,306	1,596	710	209	150	59
Biological and physical sciences	3,105	2,146	959	318	214	104	30	25	5
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	8,172	4,385	3,787	1,988	1,382	606	179	125	54
Parks, recreation, leisure, and fitness studies total	5,753	2,401	3,352	647	297	350	21	13	8
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,753	2,401	3,352	647	297	350	21	13	8
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	7,069	4,802	2,267	1,204	719	485	374	297	77
Philosophy	3,695	2,647	1,048	509	389	120	246	187	59
Religion/religious studies	3,374	2,155	1,219	695	330	365	128	110	18
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	23,410	17,864	5,546	5,219	4,248	971	3,089	2,705	384
Physical sciences, total	23,410	17,864	5,546	5,219	4,248	971	3,089	2,705	384
Physical sciences, general	1,024	805	219	125	102	23	20	20	0
Astronomy	96	80	16	70	61	9	72	65	7
Astrophysics	26	18	8	9	9	0	20	18	2
Atmospheric science and meteorology	367	325	42	170	156	14	66	60	6
Chemistry, total	11,232	8,050	3,182	1,723	1,279	444	1,545	1,287	258
Chemistry, general	11,214	8,035	3,179	1,615	1,194	421	1,413	1,179	234
Analytical chemistry	2	0	2	8	6	2	15	15	0
Inorganic chemistry	10	9	1	7	5	2	19	14	5
Organic chemistry	0	0	0	25	23	2	30	25	5
Medicinal/pharmaceutical chemistry	3	3	0	52	38	14	45	36	9
Chemistry, other	3	3	0	16	13	3	23	18	5
Geological and related sciences, total	4,597	3,466	1,131	1,295	1,058	237	313	287	26
Geology	4,439	3,334	1,105	1,192	973	219	260	238	22
Geochemistry	4	4	0	8	7	1	10	10	0
Geophysics and seismology	154	128	26	95	78	17	43	39	4
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,615	1,240	375	445	346	99	156	142	14
Metallurgy	36	32	4	32	31	1	12	12	0
Oceanography	252	198	54	142	115	27	79	71	8
Earth science	931	699	232	183	125	58	46	42	4
Miscellaneous physical sciences, other	396	311	85	88	75	13	19	17	2
Physics, total	3,396	2,962	434	1,192	1,074	118	830	767	63
Physics, general	3,296	2,898	398	1,177	1,063	114	818	756	62
Physics, other	100	64	36	15	11	4	12	11	1
Physical sciences, other	1,057	918	139	190	163	27	67	59	8
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	15,015	9,995	5,020	1,805	1,413	392	18	15	3
Criminal justice, total	15,015	9,995	5,020	1,805	1,413	392	18	15	3
Corrections/correctional administration	15,015	9,995	5,020	1,805	1,413	392	18	15	3
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	42,093	15,440	26,653	9,938	4,096	5,842	3,395	1,921	1,474
Psychology, general	40,254	14,766	25,488	4,581	2,097	2,484	1,899	1,115	784
Clinical psychology	3	1	2	592	279	313	428	235	193
Counseling psychology	149	59	90	1,797	657	1,140	187	106	81
Developmental and child psychology	291	36	255	209	72	137	52	28	24
Experimental psychology	31	9	22	62	35	27	56	42	14
Industrial and organizational psychology	50	14	36	87	44	43	5	3	2

Table 25.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1979–80—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	31	12	19	11	8	3	18	9	9
Social psychology	298	133	165	272	125	147	69	30	39
School psychology	131	21	110	2,132	720	1,412	627	319	308
Psychology, other	855	389	466	195	59	136	54	34	20
Public administration and services, total	16,644	4,451	12,193	17,560	7,866	9,694	342	216	126
Community organization, resources and services	1,527	394	1,133	406	215	191	28	18	10
Public administration	1,831	1,211	620	6,586	4,517	2,069	131	100	31
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	12,459	2,301	10,158	10,065	2,811	7,254	162	81	81
Public administration and services, other	827	545	282	503	323	180	21	17	4
R.O.T.C. and military technologies, total	38	37	1	46	46	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	14	14	0	46	46	0	0	0	0
Military technologies, total	24	23	1	0	0	0	0	0	0
Social sciences and history, total	103,662	58,511	45,151	12,176	7,794	4,382	3,230	2,357	873
Social sciences, general	8,503	4,271	4,232	1,252	719	533	81	50	31
Anthropology	3,592	1,337	2,255	832	379	453	359	194	165
Archeology	69	24	45	29	9	20	8	4	4
Criminology	2,453	1,472	981	243	199	44	8	8	0
Demography and population studies	17	8	9	24	14	10	9	4	5
Economics	17,863	12,458	5,405	1,821	1,439	382	677	575	102
Geography, total	3,443	2,344	1,099	579	422	157	138	119	19
Geography	3,443	2,344	1,099	579	422	157	138	119	19
Cartography	0	0	0	0	0	0	0	0	0
History	19,301	12,069	7,232	2,367	1,451	916	712	524	188
International relations and affairs	1,817	890	927	891	615	276	64	54	10
Political science and government, general	25,457	16,315	9,142	1,938	1,423	515	535	428	107
Sociology	18,881	6,270	12,611	1,341	667	674	583	355	228
Urban affairs/studies	1,092	531	561	671	384	287	22	14	8
Social sciences and history, other	1,174	522	652	188	73	115	34	28	6
Theological studies and religious vocations, total	6,207	4,625	1,582	3,922	2,705	1,217	1,319	1,242	77
Biblical and other theological languages and literatures	37	35	2	50	45	5	4	3	1
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,886	1,041	845	1,202	660	542	44	37	7
Religious/sacred music	262	145	117	219	154	65	16	14	2
Theology and theological studies	3,708	3,175	533	2,282	1,739	543	1,209	1,152	57
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	314	229	85	169	107	62	46	36	10
Transportation and material moving workers, total	1,535	1,271	264	142	121	21	4	4	0
Water transportation workers	213	204	9	0	0	0	0	0	0
Transportation and material moving, other	1,322	1,067	255	142	121	21	4	4	0
Visual and performing arts, total	40,892	15,065	25,827	8,708	4,067	4,641	655	413	242
Visual and performing arts, general	4,310	1,454	2,856	651	279	372	31	18	13
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	818	58	760	244	19	225	3	0	3
Design and applied art	4,163	1,320	2,843	315	149	166	1	1	0
Dramatic/theater arts and stagecraft	5,191	2,122	3,069	1,117	575	542	91	58	33
Film/video and photographic arts, total	1,616	1,144	472	217	157	60	2	2	0
Film-video making/cinematography and production	579	414	165	132	97	35	1	1	0
Photography	1,037	730	307	85	60	25	1	1	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	15,187	4,542	10,645	2,523	1,091	1,432	125	46	79
Art, general	13,221	4,193	9,028	2,177	996	1,181	2	1	1
Art history,criticism and conservation	1,966	349	1,617	346	95	251	123	45	78
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	8,950	4,169	4,781	3,417	1,713	1,704	402	288	114
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	204	97	107	135	61	74	41	34	7
Music, general performance	5,405	2,577	2,828	2,663	1,336	1,327	289	203	86
Music theory and composition	3,341	1,495	1,846	619	316	303	72	51	21
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	657	256	401	224	84	140	0	0	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1979–80" survey. (This table was prepared September, 1993.)

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Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**935,140**	**469,883**	**465,257**	**295,739**	**147,043**	**148,696**	**32,958**	**22,711**	**10,247**
Agriculture and natural resources, total	21,886	15,154	6,732	4,003	3,061	942	1,067	940	127
Agricultural business and production, total	10,776	7,939	2,837	1,876	1,459	417	497	431	66
Agricultural business and management, total	7,256	5,809	1,447	1,398	1,146	252	385	346	39
Agricultural business and management, general	1,942	1,458	484	349	288	61	1	1	0
Agricultural business/agribusiness operations	3,208	2,574	634	466	386	80	227	202	25
Agricultural economics	1,861	1,554	307	583	472	111	157	143	14
Agricultural business and management, other	245	223	22	0	0	0	0	0	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	2,259	1,198	1,061	300	182	118	84	69	15
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	1,261	932	329	178	131	47	28	16	12
Agricultural sciences, total	5,690	3,264	2,426	1,093	770	323	366	325	41
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	4,110	2,306	1,804	541	397	144	184	165	19
Animal sciences, general	3,728	2,033	1,695	441	321	120	151	137	14
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	269	193	76	47	34	13	19	19	0
Poultry science	113	80	33	53	42	11	14	9	5
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	758	370	388	317	179	138	86	69	17
Plant sciences, total	242	187	55	85	70	15	22	22	0
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	242	187	55	85	70	15	22	22	0
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	580	401	179	150	124	26	74	69	5
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	5,420	3,951	1,469	1,034	832	202	204	184	20
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	1,735	1,090	645	223	157	66	34	31	3
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	166	148	18	18	10	8	10	9	1
Forestry, general	2,140	1,708	432	491	408	83	109	100	9
Wildlife and wildlands management	1,379	1,005	374	302	257	45	51	44	7
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,455	6,800	2,655	3,153	2,234	919	93	73	20
Architecture	5,851	4,778	1,073	1,550	1,231	319	19	16	3
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	1,067	736	331	85	49	36	5	4	1
Interior architecture	874	108	766	20	4	16	0	0	0
Landscape architecture	993	686	307	227	129	98	1	1	0
Architectural urban design and planning	424	288	136	1,171	775	396	61	45	16
Architecture and related programs, other	246	204	42	100	46	54	7	7	0
Area, ethnic, and cultural studies, total	2,887	1,148	1,739	804	398	406	162	103	59
Area studies, total	2,224	883	1,341	660	325	335	134	84	50
African studies	6	2	4	14	7	7	3	3	0
American studies/civilization	1,300	492	808	198	71	127	83	44	39
Latin American studies	251	96	155	106	57	49	2	1	1
Middle Eastern studies	30	15	15	56	39	17	20	16	4
Russian and Slavic studies	111	51	60	56	29	27	1	1	0
Asian studies	423	201	222	193	102	91	21	17	4
European studies	97	21	76	33	19	14	4	2	2
Area studies, other	6	5	1	4	1	3	0	0	0
Ethnic and cultural studies, total	302	117	185	62	39	23	5	3	2
Afro-American (black) studies	182	72	110	37	24	13	4	2	2
Hispanic-American studies	87	32	55	25	15	10	1	1	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	33	13	20	0	0	0	0	0	0
Area, ethnic and cultural studies, other	361	148	213	82	34	48	23	16	7
Biological sciences/life sciences, total	43,216	24,149	19,067	5,978	3,654	2,324	3,718	2,666	1,052
Biology, general	31,323	17,260	14,063	2,598	1,619	979	734	502	232
Biochemistry and biophysics	1,896	1,226	670	299	193	106	541	385	156
Botany, total	753	351	402	433	266	167	297	231	66
Botany, general	679	307	372	254	145	109	169	120	49
Plant pathology	53	34	19	161	109	52	91	77	14
Botany, other	21	10	11	18	12	6	37	34	3
Cell and molecular biology, total	299	171	128	49	38	11	110	73	37
Cell biology	40	19	21	24	19	5	35	23	12

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Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	259	152	107	25	19	6	75	50	25
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,414	1,130	1,284	482	252	230	370	249	121
Miscellaneous biological specializations, total	1,558	933	625	856	459	397	556	396	160
Anatomy	0	0	0	61	42	19	143	99	44
Ecology	733	442	291	229	163	66	80	63	17
Marine biology	465	334	131	74	57	17	15	14	1
Neurosciences	75	55	20	7	5	2	49	39	10
Nutritional sciences	138	25	113	212	52	160	78	46	32
Toxicology	51	29	22	66	48	18	11	10	1
Genetics, plant and animal	74	38	36	108	36	72	130	88	42
Biometrics and biostatistics	22	10	12	74	38	36	41	32	9
Miscellaneous biological specializations, other	0	0	0	25	18	7	9	5	4
Zoology, total	3,946	2,485	1,461	1,090	730	360	946	728	218
Zoology, general	3,328	2,082	1,246	386	244	142	222	164	58
Entomology	242	182	60	238	182	56	133	123	10
Pathology, human and animal	46	20	26	103	62	41	108	79	29
Pharmacology, human and animal	27	21	6	106	57	49	225	170	55
Physiology, human and animal	303	180	123	257	185	72	258	192	66
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,027	593	434	171	97	74	164	102	62
Business management and administrative services and marketing operations/marketing and distribution, total	198,983	125,523	73,460	57,391	42,980	14,411	795	675	120
Business management and administrative services, total	174,382	111,065	63,317	55,373	41,690	13,683	757	644	113
Business, general	36,706	22,995	13,711	8,900	6,607	2,293	122	107	15
Business administration and management, total	68,609	45,136	23,473	33,786	25,738	8,048	431	359	72
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	68,609	45,136	23,473	33,786	25,738	8,048	431	359	72
Accounting	43,344	26,298	17,046	3,449	2,415	1,034	56	48	8
Administrative and secretarial services	1,611	70	1,541	11	1	10	0	0	0
Business/managerial economics	2,437	1,638	799	308	236	72	71	67	4
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	13,258	9,563	3,695	4,585	3,502	1,083	39	35	4
Finance, general	12,471	8,964	3,507	4,433	3,379	1,054	36	32	4
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	606	474	132	39	30	9	3	3	0
Investments and securities	181	125	56	113	93	20	0	0	0
Hospitality services management	2,107	1,427	680	100	63	37	2	2	0
Human resources management, total	3,820	2,225	1,595	1,778	1,227	551	18	12	6
Human resources management	2,294	1,351	943	897	633	264	2	2	0
Labor/personnel relations and studies	1,526	874	652	881	594	287	16	10	6
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	491	265	226	1,426	1,043	383	2	2	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	290	172	118	204	147	57	15	11	4
Business statistics	290	172	118	204	147	57	15	11	4
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	893	725	168	87	74	13	1	1	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	816	551	265	739	637	102	0	0	0
Marketing operations/marketing and distribution, total	24,601	14,458	10,143	2,018	1,290	728	38	31	7
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	24,601	14,458	10,143	2,018	1,290	728	38	31	7
Communications and communications technologies, total	31,282	14,179	17,103	3,105	1,448	1,657	182	107	75
Communications, total	29,428	13,183	16,245	2,896	1,352	1,544	171	98	73
Communications, general	13,197	5,624	7,573	1,615	722	893	134	72	62
Advertising	2,310	921	1,389	138	58	80	0	0	0
Journalism and mass communications, total	13,580	6,414	7,166	1,083	535	548	37	26	11
Journalism	8,813	3,592	5,221	867	405	462	26	19	7
Broadcast journalism	4,767	2,822	1,945	216	130	86	11	7	4
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	[illegible]	0	0	0	0	0	0	0
Communications, other	341	224	117	60	37	23	0	0	0
Communications technologies, total	1,854	996	858	209	96	113	11	9	2
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,854	996	858	209	96	113	11	9	2
Computer and information sciences, total	15,121	10,202	4,919	4,218	3,247	971	252	227	25

Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	12,180	8,326	3,854	3,859	2,988	871	243	218	25
Computer programming	150	99	51	10	5	5	0	0	0
Data processing technology/technician	785	468	317	26	20	6	0	0	0
Information science and systems	1,799	1,170	629	298	211	87	8	8	0
Computer systems analysis	178	122	56	25	23	2	1	1	0
Computer and information sciences, other	29	17	12	0	0	0	0	0	0
Education, total	108,074	27,039	81,035	96,713	27,548	69,165	7,279	3,843	3,436
Education, general	2,777	437	2,340	13,038	3,538	9,500	1,394	674	720
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	318	42	276	3,700	986	2,714	699	338	361
Education administration and supervision, total	392	119	273	22,795	9,640	13,155	2,358	1,392	966
Education administration and supervision, general	73	25	48	10,558	5,827	4,731	1,697	1,036	661
Administration of special education	20	3	17	37	12	25	18	13	5
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	299	91	208	12,200	3,801	8,399	643	343	300
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	50	5	45	187	61	126	80	35	45
Educational evaluation and research, general	0	0	0	65	29	36	63	31	32
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	50	5	45	122	32	90	17	4	13
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	32	13	19	333	155	178	173	103	70
Special education, total	13,930	1,093	12,837	13,500	1,847	11,653	275	105	170
Special education, general	8,843	747	8,096	9,482	1,337	8,145	207	77	130
Education of the deaf and hearing impaired	349	15	334	356	48	308	3	1	2
Education of the gifted and talented	28	0	28	99	10	89	1	0	1
Education of the emotionally handicapped	471	44	427	411	63	348	5	2	3
Education of the mentally handicapped	1,660	142	1,518	463	94	369	4	2	2
Education of the multiple handicapped	104	12	92	128	20	108	5	3	2
Education of the physically handicapped	137	12	125	90	22	68	3	0	3
Education of the blind and visually handicapped	93	4	89	114	34	80	1	0	1
Education of the specific learning disabled	846	41	805	1,507	137	1,370	27	11	16
Education of the speech impaired	1,197	57	1,140	495	34	461	5	1	4
Special education, other	202	19	183	355	48	307	14	8	6
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	46,584	4,986	41,598	22,486	4,236	18,250	1,086	526	560
Adult and continuing education	25	10	15	933	324	609	136	67	69
Elementary education	38,524	3,544	34,980	13,833	1,537	12,296	224	67	157
Junior high/intermediate and middle school education	248	66	182	146	43	103	9	4	5
Pre-elementary/early childhood/kindergarten education	4,807	145	4,662	1,726	62	1,664	46	15	31
Secondary education	2,973	1,219	1,754	5,268	1,996	3,272	169	86	83
General teacher education, other	7	2	5	580	274	306	502	287	215
Teacher education, academic and vocational programs, total	43,022	19,886	23,136	18,485	6,339	12,146	1,034	564	470
Agricultural education (vocational)	955	787	168	233	188	45	22	13	9
Art education	2,392	437	1,955	807	176	631	55	24	31
Business education (vocational)	3,405	592	2,813	1,131	223	908	41	28	13
Driver and safety education	109	95	14	271	227	44	5	5	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,259	619	1,640	838	223	615	82	34	48
Home economics education (vocational)	1,767	22	1,745	412	12	400	7	0	7
Technology/industrial arts education	5,772	4,988	784	2,436	1,634	802	265	174	91
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	798	294	504	372	139	233	30	18	12
Music education	5,332	2,256	3,076	1,127	517	610	68	40	28
Physical education and coaching	19,095	9,525	9,570	4,219	2,244	1,975	222	139	83
Reading education	370	13	357	6,096	503	5,593	151	33	118
Science education	597	258	339	483	245	238	79	51	28
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	171	0	171	60	8	52	7	5	2
Teaching English as a second language/foreign language	44	7	37	557	176	381	0	0	0
Education, other	925	451	474	1,632	570	1,062	180	106	74
Engineering and engineering-related technologies, total	75,000	67,301	7,699	16,709	15,347	1,362	2,561	2,457	104
Engineering, total	63,287	56,263	7,024	16,386	15,063	1,323	2,551	2,447	104
Engineering, general	4,063	3,521	542	1,517	1,382	135	294	276	18
Aerospace, aeronautical, and astronautical engineering	1,809	1,680	129	408	388	20	109	108	1
Agricultural engineering	876	820	56	153	143	10	44	43	1
Architectural engineering	304	256	48	49	41	8	0	0	0
Bioengineering and biomedical engineering	437	325	112	185	153	32	54	52	2

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Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	291	234	57	60	50	10	19	17	2
Chemical engineering	6,527	5,275	1,252	1,267	1,104	163	300	287	13
Civil engineering, general	10,678	9,557	1,121	2,891	2,684	207	325	316	9
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	14,938	13,842	1,096	3,901	3,680	221	535	515	20
Engineering mechanics	185	170	15	126	115	11	57	56	1
Engineering physics	284	260	24	57	55	2	26	26	0
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	275	216	59	485	384	101	34	33	1
Geological engineering	215	166	49	31	26	5	6	6	0
Geophysical engineering	55	39	16	17	14	3	4	3	1
Industrial/manufacturing engineering	3,833	3,077	756	1,631	1,465	166	112	103	9
Materials engineering	505	413	92	355	313	42	105	97	8
Mechanical engineering	13,329	12,193	1,136	2,291	2,175	116	276	269	7
Metallurgical engineering	603	487	116	193	172	21	75	70	5
Mining and mineral engineering	750	689	61	84	83	1	10	10	0
Naval architecture and marine engineering	556	536	20	80	78	2	4	4	0
Nuclear engineering	408	369	39	281	266	15	121	116	5
Ocean engineering	200	187	13	91	85	6	13	13	0
Petroleum engineering	1,035	938	97	138	125	13	16	16	0
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	57	35	22	0	0	0	0	0	0
Engineering, other	1,074	978	96	95	82	13	12	11	1
Engineering-related technologies, total	11,713	11,038	675	323	284	39	10	10	0
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	11,713	11,038	675	323	284	39	10	10	0
English language and literature/letters, total	32,254	11,198	21,056	5,929	2,092	3,837	1,164	553	611
English language and literature, general	24,938	8,353	16,585	4,415	1,564	2,851	872	406	466
Comparative literature	332	116	216	187	66	121	124	56	68
English composition	0	0	0	0	0	0	0	0	0
English creative writing	333	116	217	258	121	137	1	1	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	6,044	2,359	3,685	967	302	665	139	73	66
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	607	254	353	102	39	63	28	17	11
Foreign languages and literatures, total	11,273	2,866	8,407	2,690	927	1,763	804	403	401
Foreign languages and literatures, total	1,309	342	967	896	321	575	338	181	157
Foreign languages and literatures, general	758	199	559	398	130	268	172	83	89
Linguistics	551	143	408	498	191	307	166	98	68
East and southeast asian languages and literatures, total	196	81	115	36	14	22	7	4	3
Chinese	73	33	40	20	9	11	6	4	2
Japanese	123	48	75	16	5	11	1	0	1
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	452	176	276	125	60	65	32	14	18
Russian	409	161	248	68	33	35	8	2	6
Slavic languages (other than Russian)	43	15	28	57	27	30	24	12	12
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,331	399	932	304	121	183	81	38	43
German	1,286	385	901	294	119	175	79	37	42
Scandinavian languages	45	14	31	10	2	8	2	1	1
Germanic languages, other	0	0	0	0	0	0	0	0	0
South asian languages and literatures	1	1	0	2	2	0	4	4	0
Romance languages and literatures, total	7,253	1,523	5,730	1,117	301	816	259	115	144
French	3,178	552	2,626	460	92	368	115	35	80
Italian	205	60	145	65	23	42	13	8	5
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	3,870	911	2,959	592	186	406	131	72	59
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	59	23	36	36	29	7	1	1	0
Arabic	6	2	4	7	5	2	0	0	0
Hebrew	53	21	32	29	24	5	1	1	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	590	297	293	124	63	61	54	33	21
Classics and classical languages	403	203	200	88	42	46	50	31	19
Greek (ancient and medieval)	89	48	41	16	10	6	0	0	0
Latin (ancient and medieval)	98	46	52	20	11	9	4	2	2
Foreign languages and literatures, other	82	24	58	50	16	34	28	13	15
Health professions and related sciences, total	63,649	10,519	53,130	16,515	4,316	12,199	842	475	367
Chiropractic	129	107	22	0	0	0	0	0	0
Communication disorders sciences and services	3,445	220	3,225	3,226	244	2,982	112	53	59
Community health liason	694	238	456	2,731	1,174	1,557	194	111	83
Dentistry specialties	0	0	0	377	320	57	10	8	2
Dental services	1,135	13	1,122	37	14	23	0	0	0
Health and medical administrative services, total	2,216	573	1,643	1,998	1,063	935	12	10	2
Health care and services administration	1,581	538	1,043	1,996	1,063	933	12	10	2
Medical records administration	635	35	600	2	0	2	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,376	1,073	4,303	268	111	157	4	3	1
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,376	1,073	4,303	268	111	157	4	3	1
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	0	0	0	51	40	11	35	22	13
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	301	55	246	511	165	346	15	6	9
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	301	55	246	511	165	346	15	6	9
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	32,794	1,654	31,140	5,096	197	4,899	113	4	109
Optometry	326	252	74	9	7	2	2	2	0
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,640	3,730	2,910	336	216	120	108	91	17
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	4,460	623	3,837	516	101	415	2	0	2
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,715	91	1,624	266	37	229	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,745	532	2,213	250	64	186	2	0	2
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	147	107	40	73	56	17
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	6,133	1,981	4,152	1,212	557	655	162	109	53
Home economics and vocational home economics, total	18,370	916	17,454	2,570	252	2,318	247	78	169
Home economics, total	17,047	606	16,441	2,433	240	2,193	230	75	155
Home economics, general	5,802	128	5,674	836	30	806	73	11	62
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,304	158	3,146	651	108	543	97	43	54
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	3,235	209	3,026	748	81	667	44	16	28
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	3,250	48	3,202	114	6	108	9	1	8
Home economics, other	1,456	63	1,393	84	15	69	7	4	3
Vocational home economics, total	1,323	310	1,013	137	12	125	17	3	14
Consumer and homemaking education	739	60	679	78	2	76	17	3	14
Custodial, housekeeping and home services workers and managers	584	250	334	59	10	49	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	776	388	388	1,832	1,506	326	60	56	4
Law, general	755	381	374	1,517	1,247	270	60	56	4
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	21	7	14	315	259	56	0	0	0
Liberal arts and sciences, general studies, and humanities, total	21,643	9,709	11,934	2,375	1,194	1,181	121	61	60

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Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	21,643	9,709	11,934	2,375	1,194	1,181	121	61	60
Liberal arts and sciences/liberal studies	18,596	8,493	10,103	1,085	410	675	23	10	13
Humanities/humanistic studies	3,047	1,216	1,831	1,290	784	506	98	51	47
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	375	22	353	4,859	841	4,018	71	31	40
Library science/librarianship	366	20	346	4,786	829	3,957	63	28	35
Library science, other	9	2	7	73	12	61	8	3	5
Mathematics, total	11,433	6,614	4,819	3,074	2,106	968	775	656	119
Mathematics	10,169	5,774	4,395	1,890	1,221	669	529	448	81
Applied mathematics, total	871	600	271	686	543	143	97	84	13
Applied mathematics, general	516	328	188	179	129	50	50	42	8
Operations research	355	272	83	507	414	93	47	42	5
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	226	131	95	467	323	144	144	122	22
Mathematics, other	167	109	58	31	19	12	5	2	3
Multi/interdisciplinary studies, total	12,848	7,175	5,673	2,144	1,527	617	158	109	49
Biological and physical sciences	3,591	2,297	1,294	284	178	106	41	38	3
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	9,257	4,878	4,379	1,860	1,349	511	117	71	46
Parks, recreation, leisure, and fitness studies total	5,729	2,223	3,506	643	303	340	42	30	12
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,729	2,223	3,506	643	303	340	42	30	12
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	6,776	4,556	2,220	1,229	728	501	410	328	82
Philosophy	3,643	2,580	1,063	469	356	113	280	224	56
Religion/religious studies	3,133	1,976	1,157	760	372	388	130	104	26
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	23,952	18,064	5,888	5,284	4,200	1,084	3,141	2,765	376
Physical sciences, total	23,952	18,064	5,888	5,284	4,200	1,084	3,141	2,765	376
Physical sciences, general	958	772	186	98	75	23	23	21	2
Astronomy	98	79	19	51	44	7	77	69	8
Astrophysics	31	24	7	7	5	2	13	13	0
Atmospheric science and meteorology	359	302	57	174	154	20	52	49	3
Chemistry, total	11,347	7,953	3,394	1,654	1,184	470	1,622	1,371	251
Chemistry, general	11,282	7,907	3,375	1,557	1,113	444	1,501	1,273	228
Analytical chemistry	3	2	1	15	7	8	19	15	4
Inorganic chemistry	24	15	9	11	7	4	12	8	4
Organic chemistry	4	0	4	22	20	2	31	22	9
Medicinal/pharmaceutical chemistry	16	12	4	38	28	10	36	32	4
Chemistry, other	18	17	1	11	9	2	23	21	2
Geological and related sciences, total	5,202	3,899	1,303	1,396	1,076	320	294	264	30
Geology	5,010	3,737	1,273	1,275	980	295	237	210	27
Geochemistry	7	4	3	21	13	8	15	14	1
Geophysics and seismology	185	158	27	100	83	17	42	40	2
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,442	1,048	394	448	352	96	151	133	18
Metallurgy	35	30	5	58	52	6	21	20	1
Oceanography	225	176	49	175	141	34	58	51	7
Earth science	904	647	257	129	97	32	48	39	9
Miscellaneous physical sciences, other	278	195	83	86	62	24	24	23	1
Physics, total	3,441	3,009	432	1,294	1,179	115	866	805	61
Physics, general	3,401	2,979	422	1,287	1,175	112	861	800	61
Physics, other	40	30	10	7	4	3	5	5	0
Physical sciences, other	1,074	978	96	162	131	31	43	40	3
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	13,707	8,703	5,004	1,538	1,140	398	21	13	8
Criminal justice, total	13,707	8,703	5,004	1,538	1,140	398	21	13	8
Corrections/correctional administration	13,707	8,703	5,004	1,538	1,140	398	21	13	8
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	41,068	14,332	26,736	10,223	4,066	6,157	3,576	2,002	1,574
Psychology, general	39,312	13,745	25,567	4,721	2,086	2,635	2,151	1,258	893
Clinical psychology	21	5	16	662	305	357	456	239	217
Counseling psychology	210	65	145	1,819	655	1,164	153	79	74
Developmental and child psychology	230	26	204	211	69	142	44	23	21
Experimental psychology	55	33	22	62	30	32	64	34	30
Industrial and organizational psychology	46	25	21	100	58	42	13	9	4

Table 26.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1980–81—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	58	24	34	1	1	0	26	15	11
Social psychology	564	266	298	222	103	119	40	18	22
School psychology	235	37	198	2,225	708	1,517	621	321	300
Psychology, other	337	106	231	200	51	149	8	6	2
Public administration and services, total	16,707	4,248	12,459	17,803	7,460	10,343	362	212	150
Community organization, resources and services	1,609	486	1,123	566	246	320	44	22	22
Public administration	2,016	1,224	792	6,680	4,380	2,300	118	94	24
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	12,410	2,107	10,303	10,240	2,614	7,626	193	89	104
Public administration and services, other	672	431	241	317	220	97	7	7	0
R.O.T.C. and military technologies, total	42	40	2	43	43	0	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	15	13	2	43	43	0	0	0	0
Military technologies, total	27	27	0	0	0	0	0	0	0
Social sciences and history, total	100,513	56,131	44,382	11,945	7,457	4,488	3,122	2,274	848
Social sciences, general	8,167	4,006	4,161	1,189	686	503	69	53	16
Anthropology	3,330	1,222	2,108	868	366	502	358	218	140
Archeology	74	23	51	24	8	16	15	5	10
Criminology	2,247	1,303	944	268	234	34	7	7	0
Demography and population studies	10	4	6	14	8	6	3	1	2
Economics	18,753	13,036	5,717	1,911	1,467	444	727	627	100
Geography, total	3,273	2,184	1,089	562	410	152	119	95	24
Geography	3,273	2,184	1,089	562	410	152	119	95	24
Cartography	0	0	0	0	0	0	0	0	0
History	18,301	11,363	6,938	2,237	1,330	907	643	444	199
International relations and affairs	2,124	1,016	1,108	974	649	325	55	46	9
Political science and government, general	24,977	15,796	9,181	1,875	1,342	533	484	388	96
Sociology	17,272	5,247	12,025	1,240	590	650	610	371	239
Urban affairs/studies	1,217	603	614	640	320	320	22	13	9
Social sciences and history, other	768	328	440	143	47	96	10	6	4
Theological studies and religious vocations, total	5,841	4,358	1,483	4,220	2,801	1,419	1,276	1,175	101
Biblical and other theological languages and literatures	33	31	2	57	46	11	3	1	2
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,510	777	733	1,277	623	654	28	25	3
Religious/sacred music	300	171	129	209	151	58	18	16	2
Theology and theological studies	3,693	3,167	526	2,499	1,879	620	1,195	1,104	91
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	305	212	93	178	102	76	32	29	3
Transportation and material moving workers, total	1,801	1,528	273	120	111	9	3	3	0
Water transportation workers	263	253	10	0	0	0	0	0	0
Transportation and material moving, other	1,538	1,275	263	120	111	9	3	3	0
Visual and performing arts, total	40,479	14,798	25,681	8,629	4,056	4,573	654	396	258
Visual and performing arts, general	4,440	1,413	3,027	712	330	382	41	22	19
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	767	71	696	245	33	212	7	0	7
Design and applied art	4,564	1,373	3,191	260	119	141	2	1	1
Dramatic/theater arts and stagecraft	5,334	2,123	3,211	1,275	635	640	97	62	35
Film/video and photographic arts, total	1,675	1,115	560	215	149	66	4	3	1
Film-video making/cinematography and production	604	429	175	138	103	35	4	3	1
Photography	1,071	686	385	77	46	31	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	14,453	4,381	10,072	2,458	1,057	1,401	121	37	84
Art, general	12,617	4,042	8,575	2,109	973	1,136	11	5	6
Art history,criticism and conservation	1,836	339	1,497	349	84	265	110	32	78
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	8,657	4,103	4,554	3,332	1,689	1,643	381	271	110
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	229	110	119	128	65	63	20	13	7
Music, general performance	5,342	2,624	2,718	2,690	1,346	1,344	276	199	77
Music theory and composition	3,086	1,369	1,717	514	278	236	85	59	26
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	589	219	370	132	44	88	1	0	1

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1980–81" survey. (This table was prepared September, 1993.)

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**952,998**	**473,364**	**479,634**	**295,546**	**145,532**	**150,014**	**32,707**	**22,224**	**10,483**
Agriculture and natural resources, total	21,029	14,443	6,586	4,163	3,114	1,049	1,079	925	154
Agricultural business and production, total	10,909	7,954	2,955	1,978	1,526	452	505	435	70
Agricultural business and management, total	7,424	5,844	1,580	1,494	1,212	282	389	336	53
Agricultural business and management, general	2,195	1,594	601	412	326	86	14	14	0
Agricultural business/agribusiness operations	3,017	2,435	582	535	447	88	214	184	30
Agricultural economics	1,909	1,551	358	535	428	107	160	137	23
Agricultural business and management, other	303	264	39	12	11	1	1	1	0
Agricultural mechanization	0	0	0	0	0	0	0	0	0
Agricultural production workers and managers	0	0	0	0	0	0	0	0	0
Horticulture services operations and management	1,986	1,031	955	269	164	105	97	80	17
International agriculture	0	0	0	0	0	0	0	0	0
Agribusiness and agricultural production, other	1,499	1,079	420	215	150	65	19	19	0
Agricultural sciences, total	5,383	3,080	2,303	1,153	778	375	381	315	66
Agriculture/agricultural sciences, general	0	0	0	0	0	0	0	0	0
Animal sciences, total	3,967	2,253	1,714	561	376	185	178	158	20
Animal sciences, general	3,551	1,959	1,592	453	301	152	146	129	17
Agricultural animal breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural animal health	0	0	0	0	0	0	0	0	0
Agricultural animal nutrition	0	0	0	0	0	0	0	0	0
Dairy science	275	192	83	69	51	18	17	14	3
Poultry science	141	102	39	39	24	15	15	15	0
Animal sciences, other	0	0	0	0	0	0	0	0	0
Food sciences and technology	724	320	404	347	205	142	99	67	32
Plant sciences, total	235	190	45	80	69	11	21	18	3
Plant sciences, general	0	0	0	0	0	0	0	0	0
Agronomy and crop science	0	0	0	0	0	0	0	0	0
Horticulture science	0	0	0	0	0	0	0	0	0
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	0	0	0	0	0	0	0	0	0
Range science and management	235	190	45	80	69	11	21	18	3
Plant sciences, other	0	0	0	0	0	0	0	0	0
Soil sciences	457	317	140	165	128	37	83	72	11
Agriculture/agricultural sciences, other	0	0	0	0	0	0	0	0	0
Conservation and renewable natural resources, total	4,737	3,409	1,328	1,032	810	222	193	175	18
Natural resources conservation, general	0	0	0	0	0	0	0	0	0
Natural resources management and policy	1,788	1,126	662	264	197	67	30	25	5
Fishing and fisheries science and management	0	0	0	0	0	0	0	0	0
Forest harvesting and production technology/technician	144	131	13	16	14	2	11	10	1
Forestry, general	1,665	1,334	331	426	330	96	88	78	10
Wildlife and wildlands management	1,140	818	322	326	269	57	64	62	2
Conservation and renewable natural resources, other	0	0	0	0	0	0	0	0	0
Architecture and related programs, total	9,728	6,825	2,903	3,327	2,242	1,085	80	58	22
Architecture	5,796	4,720	1,076	1,610	1,213	397	22	16	6
City/urban, community, and regional planning	0	0	0	0	0	0	0	0	0
Architectural environmental design	962	633	329	111	52	59	3	3	0
Interior architecture	1,076	137	939	27	9	18	0	0	0
Landscape architecture	1,014	674	340	264	150	114	0	0	0
Architectural urban design and planning	511	372	139	1,213	772	441	42	27	15
Architecture and related programs, other	369	289	80	102	46	56	13	12	1
Area, ethnic, and cultural studies, total	2,862	1,032	1,830	809	410	399	102	58	44
Area studies, total	2,163	786	1,377	666	346	320	87	49	38
African studies	17	7	10	16	8	8	2	2	0
American studies/civilization	1,251	427	824	208	74	134	56	27	29
Latin American studies	243	93	150	130	73	57	2	1	1
Middle Eastern studies	35	12	23	61	39	22	10	7	3
Russian and Slavic studies	77	40	37	27	19	8	1	1	0
Asian studies	404	168	236	169	96	73	16	11	5
European studies	134	37	97	46	33	13	0	0	0
Area studies, other	2	2	0	9	4	5	0	0	0
Ethnic and cultural studies, total	353	130	223	59	30	29	4	3	1
Afro-American (black) studies	219	84	135	46	27	19	3	3	0
Hispanic-American studies	110	34	76	13	3	10	0	0	0
Women's studies	0	0	0	0	0	0	0	0	0
Ethnic and cultural studies, other	24	12	12	0	0	0	1	0	1
Area, ethnic and cultural studies, other	346	116	230	84	34	50	11	6	5
Biological sciences/life sciences, total	41,639	22,754	18,885	5,874	3,426	2,448	3,743	2,654	1,089
Biology, general	29,651	15,931	13,720	2,579	1,545	1,034	678	452	226
Biochemistry and biophysics	1,913	1,236	677	299	186	113	535	406	129
Botany, total	718	366	352	400	231	169	303	224	79
Botany, general	563	272	291	252	129	123	183	131	52
Plant pathology	58	32	26	131	93	38	97	75	22
Botany, other	97	62	35	17	9	8	23	18	5
Cell and molecular biology, total	312	188	124	46	26	20	144	92	52
Cell biology	40	18	22	20	13	7	49	33	16

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Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	272	170	102	26	13	13	95	59	36
Cell and molecular biology, other	0	0	0	0	0	0	0	0	0
Microbiology/bacteriology	2,377	1,131	1,246	470	254	216	350	250	100
Miscellaneous biological specializations, total	1,741	981	760	863	430	433	575	381	194
Anatomy	61	40	21	63	36	27	147	91	56
Ecology	792	464	328	236	158	78	76	63	13
Marine biology	488	319	169	70	49	21	13	11	2
Neurosciences	76	35	41	12	9	3	51	32	19
Nutritional sciences	138	32	106	195	42	153	81	43	38
Toxicology	49	25	24	57	37	20	24	16	8
Genetics, plant and animal	106	50	56	107	38	69	123	77	46
Biometrics and biostatistics	31	16	15	103	46	57	52	42	10
Miscellaneous biological specializations, other	0	0	0	20	15	5	8	6	2
Zoology, total	3,664	2,165	1,499	1,028	657	371	936	710	226
Zoology, general	3,089	1,802	1,287	413	229	184	223	167	56
Entomology	186	145	41	256	193	63	158	139	19
Pathology, human and animal	23	8	15	90	46	44	103	72	31
Pharmacology, human and animal	26	19	7	70	46	24	208	147	61
Physiology, human and animal	340	191	149	199	143	56	244	185	59
Zoology, other	0	0	0	0	0	0	0	0	0
Biological sciences/life sciences, other	1,263	756	507	189	97	92	222	139	83
Business management and administrative services and marketing operations/marketing and distribution, total	213,374	129,262	84,112	60,763	43,807	16,956	815	668	147
Business management and administrative services, total	186,429	114,154	72,275	58,741	42,566	16,175	791	648	143
Business, general	37,326	22,631	14,695	9,144	6,601	2,543	155	125	30
Business administration and management, total	74,496	46,899	27,597	36,925	27,044	9,881	424	342	82
Office supervision and management	0	0	0	0	0	0	0	0	0
Operations management and supervision	0	0	0	0	0	0	0	0	0
Business administration and management, other	74,496	46,899	27,597	36,925	27,044	9,881	424	342	82
Accounting	45,542	26,213	19,329	3,246	2,160	1,086	61	53	8
Administrative and secretarial services	1,527	62	1,465	4	2	2	0	0	0
Business/managerial economics	2,712	1,868	844	341	267	74	55	49	6
Enterprise management and operation	0	0	0	0	0	0	0	0	0
Financial management and services, total	15,232	10,616	4,616	4,788	3,559	1,229	39	35	4
Finance, general	14,383	9,991	4,392	4,631	3,438	1,193	35	32	3
Actuarial sciences	0	0	0	0	0	0	0	0	0
Insurance and risk management	613	466	147	46	32	14	4	3	1
Investments and securities	236	159	77	111	89	22	0	0	0
Hospitality services management	2,169	1,419	750	97	66	31	2	2	0
Human resources management, total	4,059	2,235	1,824	1,482	923	559	21	14	7
Human resources management	2,430	1,288	1,142	473	297	176	4	2	2
Labor/personnel relations and studies	1,629	947	682	1,009	626	383	17	12	5
Organizational behavior studies	0	0	0	0	0	0	0	0	0
International business	571	295	276	1,429	946	483	5	5	0
Business information systems, total	0	0	0	0	0	0	0	0	0
Management information systems and data processing, general	0	0	0	0	0	0	0	0	0
Business information systems, other	0	0	0	0	0	0	0	0	0
Quantitative methods and management science, total	357	209	148	96	70	26	11	8	3
Business statistics	357	209	148	96	70	26	11	8	3
Management science, other	0	0	0	0	0	0	0	0	0
Marketing management and research	0	0	0	0	0	0	0	0	0
Real estate	774	615	159	103	81	22	2	2	0
Taxation	0	0	0	0	0	0	0	0	0
Consumer and personal services	0	0	0	0	0	0	0	0	0
Business management and administrative services, other	1,664	1,092	572	1,086	847	239	16	13	3
Marketing operations/marketing and distribution, total	26,945	15,108	11,837	2,022	1,241	781	24	20	4
Apparel and accessories marketing operations	0	0	0	0	0	0	0	0	0
Business and personal services marketing operations	0	0	0	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	0	0	0	0	0	0	0	0	0
Tourism and travel services marketing operations	0	0	0	0	0	0	0	0	0
Marketing operations/marketing and distribution, other	26,945	15,108	11,837	2,022	1,241	781	24	20	4
Communications and communications technologies, total	34,222	14,917	19,305	3,327	1,578	1,749	200	136	64
Communications, total	32,428	13,947	18,481	3,104	1,450	1,654	182	124	58
Communications, general	15,567	6,419	9,148	1,727	766	961	139	94	45
Advertising	2,228	791	1,437	145	59	86	0	0	0
Journalism and mass communications, total	14,207	6,489	7,718	1,157	579	578	38	26	12
Journalism	8,841	3,408	5,433	901	440	461	27	18	9
Broadcast journalism	5,366	3,081	2,285	256	139	117	11	8	3
Public relations and organizational communications	0	0	0	0	0	0	0	0	0
Radio and television broadcasting	0	0	0	0	0	0	0	0	0
Communications, other	426	248	178	75	46	29	5	4	1
Communications technologies, total	1,794	970	824	223	128	95	18	12	6
Photographic technology/technician	0	0	0	0	0	0	0	0	0
Radio and television broadcasting technology/technician	0	0	0	0	0	0	0	0	0
Communications technologies/technicians, other	1,794	970	824	223	128	95	18	12	6
Computer and information sciences, total	20,267	13,218	7,049	4,935	3,625	1,310	251	230	21

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	16,368	10,870	5,498	4,268	3,156	1,112	241	221	20
Computer programming	231	144	87	40	29	11	0	0	0
Data processing technology/technician	960	564	396	28	23	5	0	0	0
Information science and systems	2,433	1,458	975	541	368	173	10	9	1
Computer systems analysis	217	145	72	52	43	9	0	0	0
Computer and information sciences, other	58	37	21	6	6	0	0	0	0
Education, total	100,932	24,380	76,552	91,601	25,339	66,262	6,999	3,612	3,387
Education, general	3,157	520	2,637	11,667	3,166	8,501	1,360	687	673
Bilingual and bicultural education	0	0	0	0	0	0	0	0	0
Curriculum and instruction	247	13	234	3,701	946	2,755	742	334	408
Education administration and supervision, total	260	83	177	22,983	9,129	13,854	2,117	1,218	899
Education administration and supervision, general	91	32	59	10,693	5,511	5,182	1,474	888	586
Administration of special education	0	0	0	44	11	33	19	9	10
Adult and continuing education administration	0	0	0	0	0	0	0	0	0
Educational supervision	0	0	0	0	0	0	0	0	0
Elementary, middle and secondary education administration	0	0	0	0	0	0	0	0	0
Higher education administration	0	0	0	0	0	0	0	0	0
Community and junior college education administration	0	0	0	0	0	0	0	0	0
Educational administration and supervision, other	169	51	118	12,246	3,607	8,639	624	321	303
Educational/instructional media design	0	0	0	0	0	0	0	0	0
Educational evaluation, research and statistics, total	4	3	1	217	57	160	64	31	33
Educational evaluation and research, general	0	0	0	57	25	32	49	21	28
Educational statistics and research methods	0	0	0	0	0	0	0	0	0
Educational assessment, testing, and measurement	4	3	1	160	32	128	15	10	5
Educational evaluation, research and statistics, other	0	0	0	0	0	0	0	0	0
Social and philosophical foundations of education	42	12	30	336	125	211	187	96	91
Special education, total	12,804	934	11,870	13,153	1,742	11,411	306	107	199
Special education, general	8,217	635	7,582	9,157	1,229	7,928	253	89	164
Education of the deaf and hearing impaired	344	9	335	398	51	347	3	0	3
Education of the gifted and talented	25	0	25	166	20	146	4	1	3
Education of the emotionally handicapped	425	29	396	353	68	285	6	2	4
Education of the mentally handicapped	1,394	100	1,294	403	66	337	9	6	3
Education of the multiple handicapped	54	9	45	142	23	119	0	0	0
Education of the physically handicapped	122	21	101	78	16	62	4	0	4
Education of the blind and visually handicapped	64	9	55	146	36	110	1	0	1
Education of the specific learning disabled	792	46	746	1,573	158	1,415	22	8	14
Education of the speech impaired	1,120	50	1,070	443	26	417	1	0	1
Special education, other	247	26	221	294	49	245	3	1	2
Counselor education/counseling and guidance services	0	0	0	0	0	0	0	0	0
General teacher education, total	44,272	4,255	40,017	20,455	3,706	16,749	1,080	526	554
Adult and continuing education	70	15	55	956	296	660	143	62	81
Elementary education	37,261	3,141	34,120	12,788	1,345	11,443	201	73	128
Junior high/intermediate and middle school education	301	65	236	249	37	212	12	9	3
Pre-elementary/early childhood/kindergarten education	4,183	104	4,079	1,383	56	1,327	54	13	41
Secondary education	2,419	923	1,496	4,498	1,710	2,788	175	78	97
General teacher education, other	38	7	31	581	262	319	495	291	204
Teacher education, academic and vocational programs, total	38,994	18,046	20,948	16,944	5,845	11,099	1,001	557	444
Agricultural education (vocational)	835	668	167	257	226	31	28	26	2
Art education	1,897	365	1,532	673	182	491	43	18	25
Business education (vocational)	3,167	605	2,562	1,067	205	862	57	27	30
Driver and safety education	125	105	20	220	173	47	6	6	0
English education	0	0	0	0	0	0	0	0	0
Foreign languages education	0	0	0	0	0	0	0	0	0
Health education	2,175	525	1,650	845	191	654	72	31	41
Home economics education (vocational)	1,442	18	1,424	356	7	349	14	0	14
Technology/industrial arts education	5,525	4,687	838	2,133	1,432	701	252	166	86
Marketing operations/marketing and distribution education	0	0	0	0	0	0	0	0	0
Mathematics education	629	243	386	347	134	213	32	22	10
Music education	4,915	2,036	2,879	1,084	509	575	89	53	36
Physical education and coaching	17,391	8,545	8,846	4,077	2,162	1,915	226	137	89
Reading education	227	14	213	5,470	422	5,048	123	31	92
Science education	558	234	324	406	202	204	59	40	19
Social science education	0	0	0	0	0	0	0	0	0
Social studies education	0	0	0	0	0	0	0	0	0
Technical education (vocational)	0	0	0	0	0	0	0	0	0
Trade and industrial education (vocational)	0	0	0	0	0	0	0	0	0
Teacher education, academic and vocational programs, other	108	1	107	9	0	9	0	0	0
Teaching English as a second language/foreign language	50	17	33	653	182	471	4	1	3
Education, other	1,102	497	605	1,492	441	1,051	138	55	83
Engineering and engineering-related technologies, total	80,005	70,899	9,106	17,939	16,311	1,628	2,636	2,496	140
Engineering, total	67,021	58,790	8,231	17,526	15,953	1,573	2,621	2,483	138
Engineering, general	4,318	3,685	633	1,497	1,346	151	316	297	19
Aerospace, aeronautical, and astronautical engineering	2,120	1,949	171	521	482	39	96	95	1
Agricultural engineering	838	779	59	129	123	6	38	38	0
Architectural engineering	438	375	63	46	44	2	0	0	0
Bioengineering and biomedical engineering	508	368	140	236	193	43	50	45	5

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	258	207	51	65	58	7	12	12	0
Chemical engineering	6,740	5,273	1,467	1,285	1,104	181	311	292	19
Civil engineering, general	10,524	9,333	1,191	2,995	2,725	270	329	315	14
Computer engineering	0	0	0	0	0	0	0	0	0
Electrical, electronics, and communications engineering	16,455	15,046	1,409	4,462	4,174	288	526	505	21
Engineering mechanics	327	281	46	140	128	12	62	58	4
Engineering physics	302	267	35	46	44	2	14	13	1
Engineering science	0	0	0	0	0	0	0	0	0
Environmental/environmental health engineering	272	212	60	412	332	80	39	37	2
Geological engineering	269	215	54	31	29	2	2	2	0
Geophysical engineering	73	64	9	4	4	0	0	0	0
Industrial/manufacturing engineering	3,992	3,049	943	1,656	1,446	210	116	103	13
Materials engineering	798	629	169	282	246	36	129	114	15
Mechanical engineering	13,922	12,702	1,220	2,399	2,260	139	333	320	13
Metallurgical engineering	592	494	98	262	235	27	59	59	0
Mining and mineral engineering	662	614	48	88	85	3	10	10	0
Naval architecture and marine engineering	606	590	16	81	80	1	1	1	0
Nuclear engineering	394	359	35	325	287	38	124	118	6
Ocean engineering	202	179	23	116	108	8	11	10	1
Petroleum engineering	1,245	1,119	126	122	116	6	21	19	2
Systems engineering	0	0	0	0	0	0	0	0	0
Textile sciences and engineering	44	27	17	0	0	0	1	1	0
Engineering, other	1,122	974	148	326	304	22	21	19	2
Engineering-related technologies, total	12,984	12,109	875	413	358	55	15	13	2
Architectural engineering technologies	0	0	0	0	0	0	0	0	0
Civil engineering/ civil technologies	0	0	0	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	0	0	0	0	0	0	0	0	0
Electromechanical instrumentation and maintenance technologies	0	0	0	0	0	0	0	0	0
Environmental control technologies	0	0	0	0	0	0	0	0	0
Industrial production technologies	0	0	0	0	0	0	0	0	0
Quality control and safety technologies	0	0	0	0	0	0	0	0	0
Mechanical engineering-related technologies	0	0	0	0	0	0	0	0	0
Mining and petroleum engineering technologies	0	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0	0
Mechanics and repairers	0	0	0	0	0	0	0	0	0
Construction trades	0	0	0	0	0	0	0	0	0
Engineering-related technologies/technicians, other	12,984	12,109	875	413	358	55	15	13	2
English language and literature/letters, total	33,419	11,414	22,005	5,772	1,983	3,789	1,101	511	590
English language and literature, general	24,963	8,205	16,758	4,202	1,420	2,782	811	381	430
Comparative literature	341	114	227	179	67	112	115	44	71
English composition	0	0	0	0	0	0	0	0	0
English creative writing	467	184	283	295	149	146	0	0	0
American literature (United States)	0	0	0	0	0	0	0	0	0
English literature (British and Commonwealth)	0	0	0	0	0	0	0	0	0
Speech and rhetorical studies	6,646	2,549	4,097	992	306	686	144	68	76
English technical and business writing	0	0	0	0	0	0	0	0	0
English language and literature/letters, other	1,002	362	640	104	41	63	31	18	13
Foreign languages and literatures, total	10,756	2,741	8,015	2,657	882	1,775	748	358	390
Foreign languages and literatures, total	1,254	353	901	840	318	522	285	148	137
Foreign languages and literatures, general	720	195	525	324	107	217	121	62	59
Linguistics	534	158	376	516	211	305	164	86	78
East and southeast asian languages and literatures, total	168	76	92	30	8	22	13	9	4
Chinese	68	33	35	14	2	12	10	6	4
Japanese	100	43	57	16	6	10	3	3	0
East and southeast asian languages, other	0	0	0	0	0	0	0	0	0
East european languages and literatures, total	324	140	184	49	17	32	7	0	7
Russian	324	140	184	49	17	32	7	0	7
Slavic languages (other than Russian)	0	0	0	0	0	0	0	0	0
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages, total	1,406	468	938	362	146	216	96	41	55
German	1,327	447	880	324	127	197	76	34	42
Scandinavian languages	31	4	27	8	5	3	2	0	2
Germanic languages, other	48	17	31	30	14	16	18	7	11
South asian languages and literatures	4	3	1	6	3	3	7	2	5
Romance languages and literatures, total	6,895	1,376	5,519	1,108	269	839	246	103	143
French	3,054	527	2,527	485	112	373	92	38	54
Italian	208	43	165	55	16	39	14	6	8
Portuguese	0	0	0	0	0	0	0	0	0
Spanish	3,633	806	2,827	568	141	427	140	59	81
Romance languages, other	0	0	0	0	0	0	0	0	0
Middle eastern languages and literatures, total	59	20	39	34	21	13	5	3	2
Arabic	15	3	12	4	2	2	4	2	2
Hebrew	44	17	27	30	19	11	1	1	0
Middle eastern languages, other	0	0	0	0	0	0	0	0	0

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	549	271	278	150	67	83	53	35	18
Classics and classical languages	381	189	192	133	62	71	48	30	18
Greek (ancient and medieval)	82	48	34	7	2	5	3	3	0
Latin (ancient and medieval)	86	34	52	10	3	7	2	2	0
Foreign languages and literatures, other	97	34	63	78	33	45	36	17	19
Health professions and related sciences, total	63,653	10,105	53,548	16,503	4,006	12,497	925	503	422
Chiropractic	64	53	11	0	0	0	0	0	0
Communication disorders sciences and services	3,414	179	3,235	3,104	209	2,895	114	47	67
Community health liason	705	228	477	2,312	972	1,340	207	105	102
Dentistry specialties	0	0	0	359	307	52	9	7	2
Dental services	1,172	24	1,148	34	11	23	0	0	0
Health and medical administrative services, total	2,590	605	1,985	1,645	835	810	20	15	5
Health care and services administration	1,978	581	1,397	1,640	835	805	20	15	5
Medical records administration	612	24	588	5	0	5	0	0	0
Health and medical administrative services, other	0	0	0	0	0	0	0	0	0
Health and medical assistants, total	0	0	0	0	0	0	0	0	0
Medical assistant	0	0	0	0	0	0	0	0	0
Physician assistant	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	0	0	0	0	0	0	0	0	0
Respiratory therapy technology/technician	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, total	5,049	994	4,055	241	100	141	8	4	4
Medical technology	0	0	0	0	0	0	0	0	0
Health and medical laboratory technologies/technicians, other	5,049	994	4,055	241	100	141	8	4	4
Health and medical preparatory programs, total	0	0	0	0	0	0	0	0	0
Pre-dentistry studies	0	0	0	0	0	0	0	0	0
Pre-medicine studies	0	0	0	0	0	0	0	0	0
Pre-pharmacy studies	0	0	0	0	0	0	0	0	0
Pre-veterinary studies	0	0	0	0	0	0	0	0	0
Medicine	4,867	1,458	3,409	1,015	361	654	124	88	36
Medical basic sciences	0	0	0	0	0	0	0	0	0
Mental health services, total	268	41	227	561	163	398	15	4	11
Alcohol/drug abuse counseling	0	0	0	0	0	0	0	0	0
Psychiatric/mental health services technician	0	0	0	0	0	0	0	0	0
Clinical and medical social work	268	41	227	561	163	398	15	4	11
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	33,177	1,695	31,482	5,312	278	5,034	134	6	128
Optometry	396	305	91	9	9	0	2	1	1
Osteopathic medicine	0	0	0	0	0	0	0	0	0
Pharmacy	6,367	3,437	2,930	368	233	135	127	106	21
Epidemiology	0	0	0	0	0	0	0	0	0
Rehabilitative/therapeutic services, total	4,399	614	3,785	572	104	468	0	0	0
Art therapy	0	0	0	0	0	0	0	0	0
Dance therapy	0	0	0	0	0	0	0	0	0
Music therapy	0	0	0	0	0	0	0	0	0
Occupational therapy	1,663	78	1,585	255	20	235	0	0	0
Orthotics/prosthetics	0	0	0	0	0	0	0	0	0
Physical therapy	2,736	536	2,200	317	84	233	0	0	0
Recreational therapy	0	0	0	0	0	0	0	0	0
Vocational rehabilitation counseling	0	0	0	0	0	0	0	0	0
Rehabilitative services, other	0	0	0	0	0	0	0	0	0
Veterinary medicine	0	0	0	184	126	58	65	54	11
Miscellaneous health professions	0	0	0	0	0	0	0	0	0
Health professions and related sciences, other	1,185	472	713	787	298	489	100	66	34
Home economics and vocational home economics, total	17,872	1,016	16,856	2,355	201	2,154	247	73	174
Home economics, total	16,618	674	15,944	2,252	195	2,057	241	73	168
Home economics, general	5,535	138	5,397	753	23	730	83	14	69
Business home economics	0	0	0	0	0	0	0	0	0
Family and community studies	3,005	151	2,854	515	93	422	86	35	51
Family and consumer resource management	0	0	0	0	0	0	0	0	0
Food and nutrition studies	3,082	198	2,884	749	58	691	41	17	24
Housing studies	0	0	0	0	0	0	0	0	0
Individual and family development studies	0	0	0	0	0	0	0	0	0
Clothing/apparel and textile studies	3,270	72	3,198	98	5	93	18	0	18
Home economics, other	1,726	115	1,611	137	16	121	13	7	6
Vocational home economics, total	1,254	342	912	103	6	97	6	0	6
Consumer and homemaking education	647	50	597	73	4	69	6	0	6
Custodial, housekeeping and home services workers and managers	607	292	315	30	2	28	0	0	0
Vocational home economics, other	0	0	0	0	0	0	0	0	0
Law and legal studies, total	846	416	430	1,893	1,510	383	22	20	2
Law, general	592	300	292	1,468	1,163	305	22	20	2
Pre-law studies	0	0	0	0	0	0	0	0	0
Paralegal/legal assistant	0	0	0	0	0	0	0	0	0
Law and legal studies, other	254	116	138	425	347	78	0	0	0
Liberal arts and sciences, general studies, and humanities, total	21,089	9,107	11,982	2,425	1,103	1,322	155	90	65

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	21,089	9,107	11,982	2,425	1,103	1,322	155	90	65
Liberal arts and sciences/liberal studies	18,145	8,003	10,142	1,094	426	668	35	20	15
Humanities/humanistic studies	2,944	1,104	1,840	1,331	677	654	120	70	50
Liberal arts and sciences, general studies, other	0	0	0	0	0	0	0	0	0
Library science, total	307	43	264	4,506	799	3,707	84	31	53
Library science/librarianship	282	33	249	4,385	773	3,612	82	29	53
Library science, other	25	10	15	121	26	95	2	2	0
Mathematics, total	12,226	6,999	5,227	3,263	2,257	1,006	721	623	98
Mathematics	10,450	5,815	4,635	1,927	1,234	693	512	450	62
Applied mathematics, total	1,187	783	404	772	624	148	74	68	6
Applied mathematics, general	560	377	183	236	188	48	34	32	2
Operations research	627	406	221	536	436	100	40	36	4
Pure mathematics	0	0	0	0	0	0	0	0	0
Mathematical statistics	258	152	106	479	334	145	125	100	25
Mathematics, other	331	249	82	85	65	20	10	5	5
Multi/interdisciplinary studies, total	14,707	8,037	6,670	2,553	1,737	816	238	152	86
Biological and physical sciences	3,125	1,956	1,169	253	171	82	31	18	13
Systems science and theory	0	0	0	0	0	0	0	0	0
Museology/museum studies	0	0	0	0	0	0	0	0	0
Multi/interdisciplinary studies, other	11,582	6,081	5,501	2,300	1,566	734	207	134	73
Parks, recreation, leisure, and fitness studies total	5,335	2,006	3,329	526	276	250	33	26	7
Parks, recreation and leisure studies	0	0	0	0	0	0	0	0	0
Parks, recreation and leisure facilities management	5,335	2,006	3,329	526	276	250	33	26	7
Health and physical education/fitness	0	0	0	0	0	0	0	0	0
Parks, recreation, leisure and fitness studies, other	0	0	0	0	0	0	0	0	0
Philosophy and religion, total	6,309	4,208	2,101	1,152	688	464	364	287	77
Philosophy	3,391	2,408	983	445	324	121	247	190	57
Religion/religious studies	2,918	1,800	1,118	707	364	343	117	97	20
Philosophy and religion, other	0	0	0	0	0	0	0	0	0
Physical sciences and science technologies, total	24,052	17,866	6,186	5,514	4,318	1,196	3,286	2,835	451
Physical sciences, total	24,052	17,866	6,186	5,514	4,318	1,196	3,286	2,835	451
Physical sciences, general	765	589	176	131	93	38	24	21	3
Astronomy	81	65	16	61	51	10	66	52	14
Astrophysics	32	27	5	19	18	1	10	10	0
Atmospheric science and meteorology	412	346	66	164	140	24	45	41	4
Chemistry, total	11,062	7,571	3,491	1,751	1,259	492	1,722	1,441	281
Chemistry, general	11,025	7,543	3,482	1,618	1,163	455	1,595	1,336	259
Analytical chemistry	16	12	4	18	10	8	15	13	2
Inorganic chemistry	0	0	0	5	5	0	14	11	3
Organic chemistry	4	2	2	19	17	2	35	30	5
Medicinal/pharmaceutical chemistry	7	5	2	68	44	24	40	31	9
Chemistry, other	10	9	1	23	20	3	23	20	3
Geological and related sciences, total	5,538	4,123	1,415	1,540	1,196	344	282	232	50
Geology	5,337	3,967	1,370	1,411	1,088	323	241	197	44
Geochemistry	8	6	2	13	10	3	4	4	0
Geophysics and seismology	193	150	43	116	98	18	37	31	6
Geological sciences, other	0	0	0	0	0	0	0	0	0
Miscellaneous physical sciences, total	1,418	1,006	412	431	316	115	215	184	31
Metallurgy	48	42	6	23	21	2	24	23	1
Oceanography	220	177	43	166	119	47	98	84	14
Earth science	886	604	282	136	101	35	59	49	10
Miscellaneous physical sciences, other	264	183	81	106	75	31	34	28	6
Physics, total	3,472	3,012	460	1,284	1,128	156	873	807	66
Physics, general	3,472	3,012	460	1,282	1,126	156	863	799	64
Physics, other	0	0	0	2	2	0	10	8	2
Physical sciences, other	1,272	1,127	145	133	117	16	49	47	2
Science technologies, total	0	0	0	0	0	0	0	0	0
Precision production trades, total	0	0	0	0	0	0	0	0	0
Drafting, general	0	0	0	0	0	0	0	0	0
Precision production	0	0	0	0	0	0	0	0	0
Protective services, total	12,438	7,686	4,752	1,336	974	362	24	14	10
Criminal justice, total	12,438	7,686	4,752	1,336	974	362	24	14	10
Corrections/correctional administration	12,438	7,686	4,752	1,336	974	362	24	14	10
Criminal justice/law enforcement administration	0	0	0	0	0	0	0	0	0
Criminal justice studies	0	0	0	0	0	0	0	0	0
Forensic technology/technician	0	0	0	0	0	0	0	0	0
Law enforcement/police science	0	0	0	0	0	0	0	0	0
Criminal justice and corrections, other	0	0	0	0	0	0	0	0	0
Fire protection	0	0	0	0	0	0	0	0	0
Protective services, other	0	0	0	0	0	0	0	0	0
Psychology, total	41,212	13,645	27,567	9,947	3,823	6,124	3,461	1,856	1,605
Psychology, general	39,251	13,034	26,217	4,448	1,938	2,510	1,845	1,038	807
Clinical psychology	81	33	48	663	300	363	555	282	273
Counseling psychology	218	55	163	1,861	651	1,210	163	86	77
Developmental and child psychology	231	20	211	160	54	106	63	31	32
Experimental psychology	237	96	141	98	44	54	69	34	35
Industrial and organizational psychology	57	19	38	141	66	75	13	11	2

Table 27.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1981–82—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	83	41	42	5	3	2	19	10	9
Social psychology	441	176	265	203	94	109	39	20	19
School psychology	181	22	159	2,156	614	1,542	681	338	343
Psychology, other	432	149	283	212	59	153	14	6	8
Public administration and services, total	16,495	4,176	12,319	17,416	6,975	10,441	372	205	167
Community organization, resources and services	1,469	498	971	473	243	230	36	16	20
Public administration	2,122	1,308	814	6,503	4,139	2,364	134	97	37
Public policy analysis	0	0	0	0	0	0	0	0	0
Social work	11,813	1,867	9,946	9,959	2,295	7,664	198	90	108
Public administration and services, other	1,091	503	588	481	298	183	4	2	2
R.O.T.C. and military technologies, total	55	55	0	49	48	1	0	0	0
Reserve Officer Training Corps (R.O.T.C.)	28	28	0	49	48	1	0	0	0
Military technologies, total	27	27	0	0	0	0	0	0	0
Social sciences and history, total	99,705	55,196	44,509	12,002	7,468	4,534	3,061	2,237	824
Social sciences, general	7,954	3,667	4,287	1,107	613	494	66	51	15
Anthropology	3,069	1,124	1,945	826	418	408	334	191	143
Archeology	72	23	49	23	3	20	11	3	8
Criminology	2,051	1,184	867	289	245	44	11	5	6
Demography and population studies	9	3	6	24	14	10	10	8	2
Economics	19,876	13,424	6,452	1,964	1,481	483	677	581	96
Geography, total	3,445	2,366	1,079	553	393	160	123	101	22
Geography	3,445	2,366	1,079	553	393	160	123	101	22
Cartography	0	0	0	0	0	0	0	0	0
History	17,146	10,706	6,440	2,210	1,330	880	636	455	181
International relations and affairs	2,496	1,209	1,287	1,185	747	438	56	47	9
Political science and government, general	25,658	15,883	9,775	1,954	1,344	610	513	401	112
Sociology	16,042	4,771	11,271	1,145	519	626	558	351	207
Urban affairs/studies	1,122	514	608	589	325	264	30	21	9
Social sciences and history, other	765	322	443	133	36	97	36	22	14
Theological studies and religious vocations, total	5,998	4,461	1,537	4,064	2,650	1,414	1,288	1,185	103
Biblical and other theological languages and literatures	78	64	14	56	48	8	6	5	1
Bible/biblical studies	0	0	0	0	0	0	0	0	0
Missions/missionary studies and missiology	0	0	0	0	0	0	0	0	0
Religious education	1,561	805	756	1,284	647	637	44	42	2
Religious/sacred music	317	205	112	183	139	44	10	9	1
Theology and theological studies	3,464	2,964	500	2,266	1,662	604	1,160	1,075	85
Pastoral counseling and specialized ministries	0	0	0	0	0	0	0	0	0
Theological studies and religious vocations, other	578	423	155	275	154	121	68	54	14
Transportation and material moving workers, total	2,044	1,638	406	129	116	13	2	1	1
Water transportation workers	228	207	21	0	0	0	0	0	0
Transportation and material moving, other	1,816	1,431	385	129	116	13	2	1	1
Visual and performing arts, total	40,422	14,819	25,603	8,746	3,866	4,880	670	380	290
Visual and performing arts, general	3,834	1,263	2,571	557	221	336	40	13	27
Crafts, folk art and artisanry	0	0	0	0	0	0	0	0	0
Dance	795	76	719	269	65	204	4	1	3
Design and applied art	4,747	1,482	3,265	347	138	209	1	0	1
Dramatic/theater arts and stagecraft	5,286	2,159	3,127	1,258	603	655	93	45	48
Film/video and photographic arts, total	1,760	1,149	611	243	155	88	8	4	4
Film-video making/cinematography and production	692	478	214	159	103	56	8	4	4
Photography	1,068	671	397	84	52	32	0	0	0
Film/video and photographic arts, other	0	0	0	0	0	0	0	0	0
Fine arts and art studies, total	13,490	4,001	9,489	2,283	890	1,393	107	35	72
Art, general	11,515	3,646	7,869	1,873	817	1,056	12	4	8
Art history,criticism and conservation	1,975	355	1,620	410	73	337	95	31	64
Arts management	0	0	0	0	0	0	0	0	0
Painting	0	0	0	0	0	0	0	0	0
Ceramic arts and ceramics	0	0	0	0	0	0	0	0	0
Fiber, textile and weaving arts	0	0	0	0	0	0	0	0	0
Metal and jewelry arts	0	0	0	0	0	0	0	0	0
Fine arts, other	0	0	0	0	0	0	0	0	0
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	8,418	4,009	4,409	3,361	1,618	1,743	406	276	130
Music, general	0	0	0	0	0	0	0	0	0
Music history and literature	143	78	65	105	40	65	29	16	13
Music, general performance	5,138	2,476	2,662	2,596	1,249	1,347	298	209	89
Music theory and composition	3,137	1,455	1,682	660	329	331	79	51	28
Music, other	0	0	0	0	0	0	0	0	0
Visual and performing arts, other	2,092	680	1,412	428	176	252	11	6	5

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1981–82" survey. (This table was prepared September, 1993.)

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Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**969,510**	**479,140**	**490,370**	**289,921**	**144,697**	**145,224**	**32,775**	**21,902**	**10,873**
Agriculture and natural resources, total	20,909	14,085	6,824	4,254	3,129	1,125	1,149	1,004	145
Agricultural business and management, total	6,227	4,737	1,490	842	647	195	198	175	23
Agricultural business and management, total	4,102	3,279	823	666	507	159	166	147	19
Agricultural business and management, general	506	425	81	26	19	7	3	3	0
Agricultural business/agribusiness operations	1,510	1,215	295	41	33	8	0	0	0
Agricultural economics	1,846	1,438	408	592	450	142	163	144	19
Agricultural business and management, other	240	201	39	7	5	2	0	0	0
Agricultural mechanization	362	349	13	20	19	1	0	0	0
Agricultural production workers and managers	134	98	36	39	30	9	6	6	0
Horticulture services operations and management	778	427	351	32	21	11	10	9	1
International agriculture	16	10	6	20	16	4	0	0	0
Agricultural business and production, other	835	574	261	65	54	11	16	13	3
Agricultural sciences, total	9,768	5,929	3,839	2,224	1,564	660	735	634	101
Agriculture/agricultural sciences, general	1,681	1,234	447	297	225	72	7	7	0
Animal sciences, total	4,079	2,211	1,868	552	370	182	187	162	25
Animal sciences, general	3,201	1,670	1,531	350	236	114	122	106	16
Agricultural animal breeding and genetics	180	125	55	36	27	9	17	15	2
Agricultural animal health	35	15	20	12	6	6	6	4	2
Agricultural animal nutrition	34	23	11	27	19	8	11	9	2
Dairy science	312	212	100	63	41	22	14	14	0
Poultry science	136	102	34	53	34	19	13	11	2
Animal sciences, other	181	64	117	11	7	4	4	3	1
Food sciences and technology	637	297	340	276	141	135	103	76	27
Plant sciences, total	2,727	1,764	963	913	677	236	345	308	37
Plant sciences, general	433	260	173	79	63	16	8	6	2
Agronomy and crop science	1,020	794	226	386	320	66	203	184	19
Horticulture science	963	475	488	230	123	107	65	56	9
Plant breeding and genetics	0	0	0	36	33	3	26	23	3
Agricultural plant pathology	10	11	8	28	19	9	22	19	3
Plant protection (pest management)	52	40	12	53	32	21	1	1	0
Range science and management	194	155	39	76	67	9	19	19	0
Plant sciences, other	46	29	17	25	20	5	1	0	1
Soil sciences	264	188	76	144	118	26	67	59	8
Agricultural sciences, other	380	235	145	42	33	9	26	22	4
Conservation and renewable natural resources, total	4,914	3,419	1,495	1,188	918	270	216	195	21
Natural resources conservation, general	1,489	902	587	316	242	74	37	33	4
Natural resources management and policy	230	133	97	2	0	2	0	0	0
Fishing and fisheries sciences and management	221	177	44	120	104	16	34	30	4
Forest harvesting and production technology/technician	299	255	44	37	32	5	15	15	0
Forestry, general	1,649	1,283	366	535	406	129	95	86	9
Wildlife and wildlands management	794	526	268	135	106	29	25	21	4
Conservation and renewable natural resources, other	232	143	89	43	28	15	10	10	0
Architecture and related programs, total	9,823	6,403	3,420	3,357	2,224	1,133	97	74	23
Architecture	5,201	4,019	1,182	1,652	1,224	428	26	19	7
City/urban, community, and regional planning	450	309	141	1,043	645	398	67	52	15
Architectural environmental design	986	662	324	86	38	48	2	2	0
Interior architecture	1,450	153	1,297	20	5	15	0	0	0
Landscape architecture	1,030	680	350	285	146	139	0	0	0
Architectural urban design and planning	3	0	3	107	80	27	1	0	1
Architecture and related programs, other	703	580	123	164	86	78	1	1	0
Area, ethnic, and cultural studies, total	3,068	1,101	1,967	845	411	434	155	90	65
Area studies, total	2,476	915	1,561	711	363	348	137	80	57
African studies	30	14	16	38	19	19	2	2	0
American studies/civilization	1,193	407	786	184	67	117	95	52	43
Latin American studies	254	94	160	122	61	61	1	1	0
Middle Eastern studies	48	16	32	85	55	30	19	14	5
Russian and Slavic studies	105	42	63	46	29	17	4	2	2
Asian studies	498	233	265	163	91	72	10	6	4
European studies	136	42	94	42	28	14	0	0	0
Area studies, other	212	67	145	31	13	18	6	3	3
Ethnic and cultural studies, total	443	137	306	84	23	61	8	4	4
Afro-American (Black) studies	190	85	105	22	11	11	0	0	0
Hispanic-American studies	89	30	59	31	8	23	0	0	0
Women's studies	97	1	96	19	0	19	2	0	2
Ethnic and cultural studies, other	67	21	46	12	4	8	6	4	2
Area and ethnic studies, other	149	49	100	50	25	25	10	6	4
Biological sciences/life sciences, total	39,982	21,564	18,418	5,696	3,214	2,482	3,341	2,266	1,075
Biology, general	28,022	14,965	13,057	2,354	1,342	1,012	521	344	177
Biochemistry and biophysics	1,876	1,160	716	270	165	105	518	366	152
Botany, total	452	217	235	367	212	155	266	181	85
Botany, general	421	204	217	246	138	108	157	102	55
Plant pathology	20	11	9	104	65	39	83	62	21
Botany, other	11	2	9	17	9	8	26	17	9
Cell and molecular biology, total	474	293	181	45	25	20	130	84	46
Cell biology	53	27	26	20	13	7	38	27	11

Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	271	160	111	19	8	11	74	46	28
Cell and molecular biology, other	150	106	44	6	4	2	18	11	7
Microbiology/bacteriology	2,306	1,086	1,220	446	233	213	331	210	121
Miscellaneous biological specializations, total	1,904	1,060	844	1,071	508	563	589	379	210
Anatomy	0	0	0	64	47	17	101	61	40
Ecology	659	368	291	234	143	91	88	79	9
Marine biology	361	238	123	84	54	30	21	15	6
Neurosciences	157	89	68	18	14	4	55	38	17
Nutritional sciences	161	32	129	281	65	216	79	40	39
Toxicology	65	40	25	73	43	30	28	18	10
Genetics, plant and animal	135	52	83	93	25	68	107	57	50
Biometrics and biostatistics	10	5	5	109	46	63	43	25	18
Miscellaneous biological specializations, other	356	236	120	115	71	44	67	46	21
Zoology, total	3,453	2,022	1,431	918	599	319	809	586	223
Zoology, general	2,805	1,651	1,154	336	195	141	204	135	69
Entomology	208	146	62	236	191	45	140	119	21
Pathology, human and animal	18	4	14	82	40	42	90	65	25
Pharmacology, human and animal	28	18	10	98	60	38	186	127	59
Physiology, human and animal	387	203	184	165	112	53	189	140	49
Zoology, other	7	0	7	1	1	0	0	0	0
Biological sciences/life sciences, other	1,495	761	734	225	130	95	177	116	61
Business management and administrative services and marketing operations/marketing and distribution, total	226,627	131,538	95,089	64,758	45,999	18,759	776	644	132
Business management and administrative services, total	223,400	130,161	93,239	64,715	45,967	18,748	776	644	132
Business, general	42,174	24,806	17,368	11,543	8,076	3,467	164	129	35
Business administration and management, total	69,889	41,346	28,543	36,637	26,444	10,193	357	298	59
Office supervision and management	1,283	125	1,158	9	9	0	0	0	0
Operations management and supervision	622	499	123	32	28	4	0	0	0
Business administration and management, other	67,984	40,722	27,262	36,596	26,407	10,189	357	298	59
Accounting	46,081	25,117	20,964	3,056	2,000	1,056	66	53	13
Administrative and secretarial services	871	47	824	0	0	0	0	0	0
Business/managerial economics	3,209	2,172	1,037	333	240	93	44	41	3
Enterprise management and operation	92	66	26	0	0	0	0	0	0
Financial management and services, total	16,435	11,066	5,369	4,293	3,105	1,188	30	28	2
Finance, general	15,556	10,470	5,086	4,062	2,935	1,127	28	26	2
Actuarial sciences	159	107	52	27	20	7	1	1	0
Banking and financial support services	3	2	1	0	0	0	0	0	0
Insurance and risk management	520	362	158	38	30	8	1	1	0
Investments and securities	197	125	72	166	120	46	0	0	0
Hospitality services management	3,486	2,350	1,136	268	195	73	1	1	0
Human resources management, total	4,240	2,264	1,976	1,863	1,052	811	37	26	11
Human resources management	2,508	1,329	1,179	676	361	315	7	1	6
Labor/personnel relations and studies	1,296	713	583	898	515	383	11	10	1
Organizational behavior studies	436	222	214	289	176	113	19	15	4
International business	636	318	318	1,519	1,056	463	9	9	0
Business information systems, total	2,513	1,439	1,074	360	290	70	0	0	0
Management information systems and data processing, general	1,784	1,032	752	359	289	70	0	0	0
Business information and data processing services, other	729	407	322	1	1	0	0	0	0
Quantitative methods and management sciences, total	1,666	984	682	287	215	72	15	14	1
Business statistics	101	51	50	17	12	5	6	6	0
Management science, other	1,565	933	632	270	203	67	9	8	1
Marketing management and research	24,764	13,549	11,215	1,747	1,031	716	25	19	6
Real estate	646	505	141	133	111	22	0	0	0
Taxation	0	0	0	967	771	196	0	0	0
Consumer and personal services	47	42	5	0	0	0	0	0	0
Business management and administrative services, other	6,651	4,090	2,561	1,709	1,381	328	28	26	2
Marketing operations/marketing and distribution, total	3,227	1,377	1,850	43	32	11	0	0	0
Apparel and accessories marketing operations	760	21	739	0	0	0	0	0	0
Business and personal services marketing operations	632	388	244	3	3	0	0	0	0
General/retailing and wholesaling operations and skills	1,192	644	548	10	9	1	0	0	0
Tourism and travel services marketing operations	242	104	138	30	20	10	0	0	0
Marketing operations/marketing and distribution, other	401	220	181	0	0	0	0	0	0
Communications and communications technologies, total	38,567	16,161	22,406	3,604	1,661	1,943	214	126	88
Communications, total	36,954	15,318	21,636	3,502	1,611	1,891	205	120	85
Communications, general	16,277	6,448	9,829	1,575	693	882	124	68	56
Advertising	2,081	768	1,313	165	74	91	0	0	0
Journalism and mass communications, total	10,971	4,252	6,719	1,138	525	613	41	27	14
Journalism	10,074	3,849	6,225	1,102	508	594	40	27	13
Broadcast journalism	897	403	494	36	17	19	1	0	1
Public relations and organizational communications	1,069	301	768	78	29	49	0	0	0
Radio and television broadcasting	5,218	2,976	2,242	298	173	125	20	13	7
Communications, other	1,338	573	765	248	117	131	20	12	8
Communications technologies, total	1,613	843	770	102	50	52	9	6	3
Photographic technology/technician	40	17	23	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,392	723	669	89	45	44	3	3	0
Communications technologies/technicians, other	181	103	78	13	5	8	6	3	3

Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, total	24,510	15,606	8,904	5,321	3,813	1,508	262	228	34
Computer and information sciences, general	19,549	12,596	6,953	4,525	3,303	1,222	250	218	32
Computer programming	221	152	69	16	12	4	0	0	0
Data processing technology/technician	860	509	351	68	54	14	0	0	0
Information science and systems	2,582	1,501	1,081	492	287	205	5	4	1
Computer systems analysis	257	171	86	53	38	15	0	0	0
Computer and information sciences, other	1,041	677	364	167	119	48	7	6	1
Education, total	97,895	23,644	74,251	83,250	22,823	60,427	7,057	3,547	3,510
Education, general	1,528	346	1,182	8,153	2,151	6,002	1,146	548	598
Bilingual and bicultural education	110	18	92	191	38	153	16	6	10
Curriculum and instruction	305	12	293	3,836	889	2,947	866	368	498
Education administration and supervision, total	75	1	74	11,018	5,429	5,589	1,989	1,140	849
Education administration and supervision, general	1	1	0	7,249	3,722	3,527	1,351	796	555
Administration of special education	0	0	0	67	14	53	20	9	11
Adult and continuing education administration	0	0	0	108	41	67	34	20	14
Educational supervision	0	0	0	1,132	413	719	107	56	51
Elementary and secondary education administration	66	0	66	1,402	758	644	70	43	27
Higher education administration	0	0	0	339	151	188	361	190	171
Community and junior college education administration	0	0	0	72	42	30	10	3	7
Educational administration and supervision, other	8	0	8	649	288	361	36	23	13
Educational/instructional media design	54	10	44	996	313	683	69	42	27
Educational evaluation, research and statistics, total	381	19	362	320	136	184	204	108	96
Educational evaluation and research, general	381	19	362	183	90	93	140	73	67
Educational statistics and research	0	0	0	50	26	24	55	30	25
Educational testing, evaluation, and measurement	0	0	0	87	20	67	9	5	4
Social and philosophical foundations of education	75	6	69	272	95	177	111	76	35
Special education, total	11,418	816	10,602	11,301	1,399	9,902	271	99	172
Special education, general	7,358	537	6,821	7,958	1,031	6,927	213	74	139
Education of the deaf and hearing impaired	314	16	298	316	22	294	0	0	0
Education of the gifted and talented	17	0	17	179	22	157	1	0	1
Education of the emotionally handicapped	419	37	382	311	45	266	8	4	4
Education of the mentally handicapped	1,190	100	1,090	306	56	250	8	4	4
Education of the multiple handicapped	102	7	95	208	26	182	0	0	0
Education of the physically handicapped	90	10	80	83	13	70	4	3	1
Education of the blind and visually handicapped	45	4	41	92	23	69	3	1	2
Education of the specific learning disabled	476	27	449	1,145	83	1,062	14	2	12
Education of the speech impaired	990	52	938	403	26	377	4	3	1
Special education, other	417	26	391	300	52	248	16	8	8
Counselor education/counseling and guidance services	143	32	111	9,915	2,795	7,120	512	255	257
General teacher education, total	43,125	4,002	39,123	17,276	2,838	14,438	479	188	291
Adult and continuing education	413	54	359	806	244	562	118	54	64
Elementary education	34,876	2,729	32,147	10,588	1,111	9,477	145	37	108
Junior high/intermediate/middle school education	424	64	360	315	48	267	4	2	2
Pre-elementary/early childhood/kindergarten education	4,681	118	4,563	1,590	52	1,538	48	10	38
Secondary education	2,508	1,005	1,503	3,501	1,265	2,236	117	59	58
General teacher education, other	223	32	191	476	118	358	47	26	21
Teacher education, academic and vocational programs, total	37,867	17,507	20,360	16,034	5,606	10,428	1,013	531	482
Agricultural education (vocational)	809	622	187	304	241	63	33	26	7
Art education	1,695	343	1,352	640	165	475	47	18	29
Business education (vocational)	2,288	395	1,893	746	134	612	30	17	13
Driver and safety education	88	67	21	128	101	27	3	3	0
English education	925	194	731	369	66	303	15	3	12
Foreign languages education	144	30	114	82	24	58	9	8	1
Health education	1,711	453	1,258	815	178	637	79	28	51
Home economics education (vocational)	1,551	66	1,485	304	2	302	18	1	17
Technology/industrial arts education	2,851	2,521	330	718	603	115	48	36	12
Marketing operations/marketing and distribution education	325	144	181	38	19	19	4	4	0
Mathematics education	672	256	416	439	156	283	24	10	14
Music education	4,378	1,855	2,523	1,017	484	533	65	47	18
Physical education and coaching	14,919	7,356	7,563	3,617	1,885	1,732	226	128	98
Reading education	185	14	171	4,295	346	3,949	123	36	87
Science education	615	243	372	427	191	236	58	41	17
Social science education	598	319	279	142	61	81	8	2	6
Social studies education	934	530	404	139	78	61	10	6	4
Technical education (vocational)	182	138	44	151	69	82	51	27	24
Trade and industrial education (vocational)	1,856	1,521	335	863	499	364	71	44	27
Teacher education, academic and vocational programs, other	1,141	440	701	800	304	496	91	46	45
Teaching English as a second language/foreign language	21	3	18	666	166	500	4	1	3
Education, other	2,793	872	1,921	3,272	968	2,304	377	185	192
Engineering and engineering-related technologies, total	89,018	78,096	10,922	19,344	17,548	1,796	2,831	2,706	125
Engineering, total	72,163	62,574	9,589	18,807	17,063	1,744	2,818	2,693	125
Engineering, general	3,357	2,829	528	1,311	1,204	107	284	275	9
Aerospace, aeronautical, and astronautical engineering	2,127	1,955	172	491	454	37	90	88	2
Agricultural engineering	776	689	87	131	125	6	40	39	1
Architectural engineering	465	373	92	28	28	0	0	0	0
Bioengineering and biomedical engineering	529	384	145	228	189	39	43	37	6

Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	311	243	68	74	59	15	22	20	2
Chemical engineering	7,185	5,569	1,616	1,388	1,204	184	319	298	21
Civil engineering, general	9,989	8,668	1,321	3,074	2,780	294	340	327	13
Computer engineering	1,015	874	141	287	245	42	23	22	1
Electrical, electronics, and communications engineering	18,049	16,275	1,774	4,531	4,238	293	550	541	9
Engineering mechanics	302	262	40	172	155	17	55	54	1
Engineering physics	291	263	28	77	75	2	14	14	0
Engineering science	216	181	35	81	73	8	22	19	3
Environmental/environmental health engineering	228	162	66	394	307	87	35	34	1
Geological engineering	347	283	64	54	46	8	6	6	0
Geophysical engineering	93	74	19	10	7	3	2	2	0
Industrial/manufacturing engineering	3,748	2,761	987	1,432	1,226	206	118	107	11
Materials engineering	434	333	101	301	248	53	146	127	19
Mechanical engineering	15,675	14,232	1,443	2,511	2,362	149	299	291	8
Metallurgical engineering	645	528	117	253	224	29	79	74	5
Mining and mineral engineering	597	553	44	131	121	10	22	22	0
Naval architecture and marine engineering	629	601	28	62	62	0	2	2	0
Nuclear engineering	391	365	26	292	276	16	109	103	6
Ocean engineering	181	166	15	85	82	3	15	15	0
Petroleum engineering	1,294	1,143	151	174	162	12	14	14	0
Systems engineering	270	219	51	149	122	27	24	24	0
Textile sciences and engineering	41	27	14	0	0	0	0	0	0
Engineering, other	2,978	2,562	416	1,106	989	117	145	138	7
Engineering-related technologies, total	16,855	15,522	1,333	537	485	52	13	13	0
Architectural engineering technologies	1,042	978	64	13	12	1	0	0	0
Civil engineering/civil technologies	715	662	53	0	0	0	0	0	0
Electrical, electronic engineering-related technologies	3,759	3,560	199	12	10	2	0	0	0
Electromechanical instrumentation and maintenance technologies	113	98	15	7	7	0	2	2	0
Environmental control technologies	203	139	64	36	30	6	0	0	0
Industrial production technologies	4,193	3,770	423	232	203	29	2	2	0
Quality control and safety technologies	338	282	56	105	95	10	0	0	0
Mechanical engineering-related technologies	2,440	2,306	134	0	0	0	0	0	0
Mining and petroleum engineering technologies	184	170	14	11	11	0	5	5	0
Surveying	100	91	9	17	16	1	4	4	0
Mechanics and repairers	17	17	0	0	0	0	0	0	0
Construction trades	54	51	3	0	0	0	0	0	0
Engineering and related technologies, other	3,697	3,398	299	104	101	3	0	0	0
English language and literatures/letters, total	31,829	10,859	20,970	5,048	1,710	3,338	991	471	520
English language and literature, general	22,656	7,394	15,262	3,533	1,218	2,315	666	307	359
Comparative literature	502	160	342	182	57	125	114	52	62
English composition	93	34	59	7	0	7	0	0	0
English creative writing	411	166	245	282	126	156	0	0	0
American literature (United States)	121	42	79	9	5	4	5	1	4
English literature (British and Commonwealth)	1,278	501	777	197	63	134	66	35	31
Speech and rhetorical studies	5,633	2,178	3,455	667	201	466	97	57	40
English technical and business writing	129	33	96	18	5	13	0	0	0
English language and literatures/letters, other	1,006	351	655	153	35	118	43	19	24
Foreign languages and literatures, total	10,599	2,822	7,777	2,478	908	1,570	673	308	365
Foreign languages and literatures, general	662	184	478	164	47	117	52	15	37
Linguistics	472	117	355	597	240	357	146	77	69
East and Southeast asian languages and literatures, total	224	106	118	54	26	28	20	13	7
Chinese	92	52	40	15	8	7	7	5	2
Japanese	90	35	55	5	2	3	0	0	0
East and southeast asian languages, other	42	19	23	34	16	18	13	8	5
East european languages and literatures, total	390	146	244	95	43	52	23	9	14
Russian	342	128	214	33	18	15	5	2	3
Slavic languages (other than Russian)	42	13	29	60	24	36	17	6	11
East european languages, other	6	5	1	2	1	1	1	1	0
Germanic languages and literatures, total	1,426	505	921	292	119	173	73	27	46
German	1,367	489	878	281	115	166	68	23	45
Scandinavian languages	41	11	30	6	2	4	1	1	0
Germanic languages, other	18	5	13	5	2	3	4	3	1
South asian languages and literatures	4	2	2	4	2	2	9	7	2
Romance languages and literatures, total	6,562	1,378	5,184	940	256	684	265	104	161
French	2,871	548	2,323	360	93	267	106	32	74
Italian	224	49	175	45	11	34	18	11	7
Portuguese	65	24	41	10	3	7	4	0	4
Spanish	3,349	746	2,603	506	145	361	129	58	71
Romance languages, other	53	11	42	19	4	15	8	3	5
Middle eastern languages and literatures, total	66	22	44	48	35	13	9	8	1
Arabic	12	7	5	4	2	2	1	1	0
Hebrew	45	14	31	22	17	5	3	2	1
Middle eastern languages and literatures, other	9	1	8	22	16	6	5	5	0
Classical and ancient near eastern languages and literatures, total	594	304	290	150	76	74	42	24	18

Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classics and classical languages	442	220	222	122	64	58	39	21	18
Greek (ancient and medieval)	66	48	18	10	4	6	1	1	0
Latin (ancient and medieval)	86	36	50	18	8	10	2	2	0
Foreign languages, other	199	58	141	134	64	70	34	24	10
Health professions and related sciences, total	64,685	10,218	54,467	17,047	4,235	12,812	1,155	649	506
Chiropractic	76	56	20	0	0	0	0	0	0
Communication disorders sciences and services	3,041	164	2,877	2,859	210	2,649	93	31	62
Community health liason	213	42	171	252	51	201	7	2	5
Dentistry specialties	92	76	16	403	333	70	24	19	5
Dental services	1,209	24	1,185	25	5	20	0	0	0
Health and medical administrative services, total	3,146	651	2,495	2,014	953	1,061	34	28	6
Health care and services administration	2,267	566	1,701	1,729	826	903	14	10	4
Medical office management	1	1	0	0	0	0	0	0	0
Medical records administration	523	32	491	1	1	0	0	0	0
Medical records technology/technician	43	1	42	0	0	0	0	0	0
Health and medical administrative services, other	312	51	261	284	126	158	20	18	2
Health and medical assistants, total	545	244	301	31	9	22	0	0	0
Medical laboratory assistant	10	3	7	0	0	0	0	0	0
Physician assistant	535	241	294	31	9	22	0	0	0
Health and medical diagnostic and treatment services, total	797	302	495	53	38	15	0	0	0
Respiratory therapy technology/technician	205	84	121	4	4	0	0	0	0
Health and medical diagnostic and treatment services, other	592	218	374	49	34	15	0	0	0
Health and medical laboratory technologies/technicians, total	4,356	832	3,524	1,300	506	794	96	42	54
Medical technology	1,508	273	1,235	92	31	61	1	0	1
Health and medical laboratory technologies/technicians, other	2,848	559	2,289	1,208	475	733	95	42	53
Health and medical preparatory programs, total	1,040	759	281	3	1	2	1	0	1
Pre-dentistry studies	133	104	29	0	0	0	0	0	0
Pre-medicine studies	738	541	197	0	0	0	1	0	1
Pre-pharmacy studies	3	2	1	0	0	0	0	0	0
Pre-veterinary studies	166	112	54	3	1	2	0	0	0
Medicine	236	89	147	188	120	68	252	182	70
Medical basic sciences	97	37	60	164	90	74	84	60	24
Mental health services, total	313	65	248	141	50	91	12	7	5
Alcohol/drug abuse counseling	35	10	25	11	4	7	0	0	0
Psychiatric/mental health services technician	89	12	77	87	28	59	0	0	0
Medical social work	87	18	69	22	12	10	0	0	0
Mental health services, other	102	25	77	21	6	15	12	7	5
Nursing	32,525	1,652	30,873	5,946	481	5,465	175	27	148
Optometry	275	183	92	13	10	3	3	3	0
Osteopathic medicine	5	2	3	39	28	11	12	5	7
Pharmacy	5,708	2,913	2,795	331	208	123	111	86	25
Epidemiology	0	0	0	128	58	70	38	18	20
Rehabilitative/therapeutic services, total	5,395	770	4,625	1,508	389	1,119	12	10	2
Art therapy	60	4	56	138	18	120	0	0	0
Dance therapy	2	0	2	42	2	40	0	0	0
Music therapy	306	25	281	37	10	27	0	0	0
Occupational therapy	1,807	112	1,695	234	22	212	0	0	0
Orthotics/prosthetics	6	5	1	0	0	0	0	0	0
Physical therapy	2,581	507	2,074	303	105	198	1	1	0
Recreational therapy	169	35	134	12	3	9	1	1	0
Vocational rehabilitation counseling	205	43	162	591	181	410	9	7	2
Rehabilitative services, other	259	39	220	151	48	103	1	1	0
Veterinary medicine	210	96	114	185	118	67	91	56	35
Miscellaneous health professions	475	63	412	132	15	117	0	0	0
Health professions and related sciences, other	4,931	1,198	3,733	1,332	562	770	110	73	37
Home economics and vocational home economics, total	16,296	910	15,386	2,385	220	2,165	255	84	171
Home economics, total	15,146	736	14,410	2,264	203	2,061	241	76	165
Home economics, general	4,490	111	4,379	653	16	637	60	14	46
Business home economics	168	8	160	0	0	0	0	0	0
Family and community studies	313	21	292	19	1	18	0	0	0
Family and consumer resource management	745	56	689	47	2	45	3	1	2
Food and nutrition studies	3,354	283	3,071	783	75	708	63	21	42
Housing studies	573	26	547	18	1	17	0	0	0
Individual and family development studies	2,259	149	2,110	537	85	452	84	34	50
Clothing/apparel and textile studies	2,804	65	2,739	107	8	99	13	1	12
Home economics, other	440	17	423	100	15	85	18	5	13
Vocational home economics, total	1,150	174	976	121	17	104	14	8	6
Consumer and homemaking education	747	62	685	75	14	61	14	8	6
Custodial, housekeeping and home service workers and managers	273	96	177	31	2	29	0	0	0
Vocational home economics, other	130	16	114	15	1	14	0	0	0
Law and legal studies, total	1,099	457	642	2,091	1,603	488	72	55	17
Law, general	101	55	46	1,282	962	320	71	54	17
Pre-law studies	486	302	184	0	0	0	0	0	0
Paralegal/legal assistant	300	41	259	0	0	0	0	0	0
Law and legal studies, other	212	59	153	809	641	168	1	1	0
Liberal arts and sciences, general studies, and humanities, total	21,603	9,710	11,893	1,286	502	784	215	113	102

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Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences/liberal studies	13,999	7,052	6,947	759	289	470	49	26	23
Humanities and humanistic studies	3,079	1,205	1,874	397	156	241	160	84	76
Liberal arts and sciences, general studies, other	4,525	1,453	3,072	130	57	73	6	3	3
Library science, total	254	26	228	3,904	716	3,188	52	21	31
Library science/librarianship	253	26	227	3,875	713	3,162	52	21	31
Library science, other	1	0	1	29	3	26	0	0	0
Mathematics, total	12,719	7,175	5,544	3,398	2,316	1,082	731	611	120
Mathematics, general	10,831	6,027	4,804	1,945	1,255	690	503	420	83
Applied mathematics, total	998	652	346	847	658	189	86	71	15
Applied mathematics	573	365	208	259	180	79	52	41	11
Operations research	425	287	138	588	478	110	34	30	4
Mathematical statistics	273	140	133	459	293	166	128	111	17
Mathematics, other	617	356	261	147	110	37	14	9	5
Multi/interdisciplinary studies, total	14,107	7,500	6,607	2,499	1,487	1,012	225	148	77
Biological and physical sciences	3,074	1,971	1,103	306	187	119	23	20	3
Systems science and theory	43	28	15	54	43	11	8	8	0
Museology/museum studies	2	2	0	74	18	56	0	0	0
Multi/interdisciplinary studies, other	10,988	5,499	5,489	2,065	1,239	826	194	120	74
Parks, recreation, leisure, and fitness studies, total	5,214	1,930	3,284	608	273	335	33	23	10
Parks, recreation and leisure studies, general	2,220	779	1,441	245	106	139	17	12	5
Park, recreation and leisure facilities management	2,672	1,015	1,657	268	122	146	8	5	3
Health and physical education/fitness	16	4	12	43	9	34	0	0	0
Parks and recreation, other	306	132	174	52	36	16	8	6	2
Philosophy and religion, total	6,483	4,341	2,142	1,091	667	424	404	306	98
Philosophy	3,322	2,315	1,007	467	346	121	232	170	62
Religion/religious studies	2,803	1,769	1,034	597	302	295	166	131	35
Philosophy and religion, other	358	257	101	27	19	8	6	5	1
Physical sciences and science technologies, total	23,381	16,993	6,388	5,290	4,157	1,133	3,269	2,811	458
Physical sciences, total	23,314	16,949	6,365	5,284	4,151	1,133	3,269	2,811	458
Physical sciences, general	592	416	176	47	36	11	4	4	0
Astronomy	75	55	20	58	47	11	60	52	8
Astrophysics	20	17	3	9	8	1	17	17	0
Atmospheric science and meteorology	396	330	66	183	159	24	80	75	5
Chemistry, total	10,796	7,166	3,630	1,622	1,162	460	1,746	1,451	295
Chemistry, general	10,599	7,030	3,569	1,484	1,064	420	1,594	1,324	270
Analytical chemistry	3	1	2	13	8	5	5	5	0
Inorganic chemistry	0	0	0	5	4	1	12	11	1
Organic chemistry	0	0	0	23	19	4	24	23	1
Medicinal/pharmaceutical chemistry	7	5	2	40	26	14	55	44	11
Chemistry, other	187	130	57	57	41	16	56	44	12
Geological and related sciences, total	6,102	4,534	1,568	1,552	1,199	353	295	247	48
Geology	5,704	4,224	1,480	1,332	1,021	311	222	187	35
Geochemistry	68	60	8	29	21	8	9	7	2
Geophysics and seismology	140	105	35	95	78	17	40	35	5
Geological sciences, other	190	145	45	96	79	17	24	18	6
Miscellaneous physical sciences, total	955	706	249	316	226	90	126	97	29
Metallurgy	2	0	2	44	36	8	10	10	0
Oceanography	208	178	30	110	82	28	76	59	17
Earth science	670	472	198	121	80	41	33	21	12
Miscellaneous physical sciences, other	75	56	19	41	28	13	7	7	0
Physics, total	3,793	3,311	482	1,369	1,208	161	873	811	62
Physics, general	3,718	3,247	471	1,290	1,145	145	807	751	56
Physics, other	75	64	11	79	63	16	66	60	6
Physical sciences, other	585	414	171	128	106	22	68	57	11
Science technologies, total	67	44	23	6	6	0	0	0	0
Precision production trades, total	384	314	70	0	0	0	0	0	0
Drafting, general	265	237	28	0	0	0	0	0	0
Precision production trades, other	119	77	42	0	0	0	0	0	0
Protective services, total	12,579	7,610	4,969	1,300	951	349	38	30	8
Criminal justice and corrections, total	12,282	7,367	4,915	1,108	772	336	38	30	8
Corrections/correctional administration	624	272	352	132	85	47	0	0	0
Criminal justice/law enforcement administration	3,216	2,012	1,204	295	236	59	0	0	0
Criminal justice studies	6,107	3,618	2,489	487	316	171	32	24	8
Forensic technology/technician	89	46	43	27	18	9	0	0	0
Law enforcement/police science	1,410	950	460	61	40	21	0	0	0
Criminal justice and corrections, other	836	469	367	106	77	29	6	6	0
Fire protection	103	100	3	2	2	0	0	0	0
Protective services, other	194	143	51	190	177	13	0	0	0
Psychology, total	40,460	13,131	27,329	9,981	3,647	6,334	3,602	1,838	1,764
Psychology, general	37,781	12,260	25,521	4,111	1,703	2,408	1,783	956	827
Clinical psychology	64	17	47	677	248	429	681	352	329
Counseling psychology	104	36	68	1,815	586	1,229	183	96	87
Developmental and child psychology	244	22	222	177	43	134	54	20	34
Experimental psychology	256	92	164	68	35	33	64	37	27
Industrial and organizational psychology	68	25	43	319	198	121	15	6	9
Physiological psychology	132	56	76	6	2	4	21	10	11
Social psychology	409	168	241	97	35	62	30	13	17

Table 28.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1982–83—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
School psychology	96	26	70	1,603	409	1,194	494	217	277
Psychology, other	1,306	429	877	1,108	388	720	277	131	146
Public administration and services, total	14,414	3,343	11,071	16,046	5,961	10,085	347	184	163
Community services	1,182	276	906	212	95	117	14	7	7
Public administration	2,317	1,281	1,036	5,894	3,613	2,281	106	75	31
Public policy analysis	196	100	96	248	148	100	19	12	7
Public works	60	12	48	57	22	35	3	3	0
Social work	10,176	1,504	8,672	9,222	1,862	7,360	201	84	117
Public administration and services, other	483	170	313	413	221	192	4	3	1
R.O.T.C. and military technologies, total	267	238	29	110	109	1	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	161	146	15	76	75	1	0	0	0
Military technologies, total	106	92	14	34	34	0	0	0	0
Social sciences and history, total	95,228	52,771	42,457	11,205	6,974	4,231	2,931	2,042	889
Social sciences, general	3,694	1,706	1,988	395	215	180	32	22	10
Anthropology	2,606	992	1,814	788	363	425	369	194	175
Archeology	56	18	38	27	9	18	9	3	6
Criminology	1,337	758	579	61	38	23	5	5	0
Demography and population studies	4	3	1	43	29	14	5	3	2
Economics	20,517	13,692	6,825	1,972	1,503	469	734	613	121
Geography, total	3,352	2,240	1,112	579	388	191	124	88	36
Geography	3,341	2,234	1,107	573	383	190	124	88	36
Cartography	11	6	5	6	5	1	0	0	0
History	16,467	10,189	6,278	2,041	1,260	781	575	389	186
International relations and affairs	2,829	1,321	1,508	1,223	796	427	44	32	12
Political science and government, general	25,791	15,658	10,133	1,829	1,286	543	435	334	101
Sociology	14,105	4,273	9,832	1,112	485	627	522	301	221
Urban affairs/studies	835	408	427	490	238	252	20	15	5
Social sciences and history, other	3,435	1,513	1,922	645	364	281	57	43	14
Theological studies and religious vocations, total	6,054	4,412	1,642	4,871	3,339	1,532	1,208	1,119	89
Biblical and other theological languages and literatures	69	66	3	46	36	10	3	2	1
Bible/biblical studies	1,775	1,405	370	251	210	41	14	12	2
Missions/missionary studies and missiology	179	101	78	57	48	9	18	18	0
Religious education	1,224	594	630	854	390	464	62	57	5
Religious/sacred music	210	115	95	133	90	43	19	18	1
Theology and theological studies	1,927	1,656	271	2,602	1,979	623	896	839	57
Pastoral counseling and specialized ministries	1	1	0	89	51	38	0	0	0
Theology studies and religious vocations, other	669	474	195	839	535	304	196	173	23
Transportation and material moving workers, total	1,662	1,492	170	91	87	4	0	0	0
Transportation and material moving, other	1,662	1,492	170	91	87	4	0	0	0
Visual and performing arts, total	39,794	14,690	25,104	8,763	4,013	4,750	692	404	288
Visual and performing arts, general	1,652	550	1,102	200	96	104	10	7	3
Crafts, folk art and artisanry	146	43	103	29	8	21	0	0	0
Dance	748	83	665	202	24	178	4	0	4
Design and applied art	4,557	1,511	3,046	269	137	132	1	0	1
Dramatic/theater arts and stage craft	5,208	2,148	3,060	1,157	572	585	97	57	40
Film/video and photographic arts, total	1,586	991	595	293	185	108	6	1	5
Film-video making/cinematography and production	522	329	193	156	102	54	6	1	5
Photography	772	458	314	89	54	35	0	0	0
Film/video and photograhpic arts, other	292	204	88	48	29	19	0	0	0
Fine arts and art studies, total	16,414	5,005	11,409	2,889	1,143	1,746	153	52	101
Art, general	10,847	3,386	7,461	1,596	677	919	22	12	10
Art history, criticism and conservation	1,749	351	1,398	392	112	280	112	34	78
Arts management	206	77	129	55	17	38	2	0	2
Painting	846	306	540	202	78	124	0	0	0
Ceramic arts and ceramics	104	31	73	35	15	20	0	0	0
Fiber, textile and weaving arts	156	26	130	10	1	9	0	0	0
Metal and jewelry arts	47	15	32	11	6	5	0	0	0
Fine arts and art studies, other	2,459	813	1,646	588	237	351	17	6	11
Graphic arts technology	191	88	103	16	7	9	0	0	0
Music, total	7,910	3,701	4,209	3,551	1,757	1,794	421	287	134
Music, general	4,287	1,929	2,358	1,437	684	753	214	140	74
Music history and literature	138	51	87	148	75	73	26	16	10
Music, general performance	2,580	1,173	1,407	1,554	740	814	103	70	33
Music theory and composition	395	271	124	231	157	74	63	49	14
Music, other	510	277	233	181	101	80	15	12	3
Visual and performing arts, other	1,382	570	812	157	84	73	0	0	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1982–83" survey. (This table was prepared September, 1993.)

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**974,309**	**482,319**	**491,990**	**284,263**	**143,595**	**140,668**	**33,209**	**22,064**	**11,145**
Agriculture and natural resources, total	19,317	13,206	6,111	4,178	2,989	1,189	1,172	1,001	171
Agricultural business and production, total	6,433	4,901	1,532	895	674	221	197	155	42
Agricultural business and management, total	4,492	3,572	920	727	560	167	166	132	34
Agricultural business and management, general	507	408	99	65	54	11	3	3	0
Agricultural business/agribusiness operations	1,628	1,292	336	62	54	8	2	0	2
Agricultural economics	2,094	1,667	427	586	441	145	161	129	32
Agricultural business and management, other	263	205	58	14	11	3	0	0	0
Agricultural mechanization	394	383	11	10	10	0	0	0	0
Agricultural production workers and managers	177	129	48	39	33	6	5	4	1
Horticulture services operation and management	664	390	274	49	29	20	16	12	4
International agriculture	21	19	2	17	5	12	0	0	0
Agricultural business and production, other	685	408	277	53	37	16	10	7	3
Agricultural sciences, total	8,787	5,462	3,325	2,193	1,509	684	739	632	107
Agriculture/agricultural sciences, general	1,519	1,119	400	273	220	53	6	6	0
Animal sciences, total	3,949	2,190	1,759	584	368	216	197	163	34
Animal sciences, general	3,316	1,777	1,539	430	269	161	125	102	23
Agricultural animal breeding and genetics	35	28	7	28	18	10	17	15	2
Agricultural animal health	25	13	12	8	4	4	5	4	1
Agricultural animal nutrition	4	0	4	14	10	4	11	10	1
Dairy science	298	215	83	54	34	20	18	15	3
Poultry science	109	83	26	38	25	13	12	11	1
Animal sciences, other	162	74	88	12	8	4	9	6	3
Food sciences and technology	553	249	304	318	165	153	78	57	21
Plant sciences, total	2,446	1,693	753	876	636	240	361	318	43
Plant sciences, general	343	213	130	84	52	32	23	19	4
Agronomy and crop science	956	801	155	357	287	70	192	175	17
Horticulture science	888	477	411	236	145	91	72	55	17
Plant breeding and genetics	0	0	0	43	36	7	33	30	3
Agricultural plant pathology	15	6	9	29	22	7	13	13	0
Plant protection (pest management)	40	37	3	35	24	11	1	1	0
Range science and management	172	136	36	68	52	16	25	23	2
Plant sciences, other	32	23	9	24	18	6	2	2	0
Soil sciences	257	182	75	120	102	18	86	81	5
Agriculture/agricultural sciences, other	63	29	34	22	18	4	11	7	4
Conservation and renewable natural resources, total	4,097	2,843	1,254	1,090	806	284	236	214	22
Natural resources conservation, general	1,130	667	463	253	170	83	46	41	5
Natural resources management and policy	217	133	84	15	11	4	4	3	1
Fishing and fisheries sciences and management	164	136	28	111	84	27	42	37	5
Forest harvesting and production technology/technician	297	245	52	47	42	5	16	16	0
Forestry, general	1,451	1,109	342	492	365	127	103	96	7
Wildlife and wildlands management	702	479	223	139	111	28	22	18	4
Conservation and renewable natural resources, other	136	74	62	33	23	10	3	3	0
Architecture and related programs, total	9,186	5,895	3,291	3,223	2,197	1,026	84	62	22
Architecture	5,133	3,957	1,176	1,651	1,228	423	23	18	5
City/urban, community, and regional planning	360	243	117	879	555	324	57	41	16
Architectural environmental design	956	626	330	91	49	42	1	1	0
Interior architecture	1,356	162	1,194	18	7	11	0	0	0
Landscape architecture	957	581	376	340	205	135	1	0	1
Architectural urban design and planning	1	1	0	97	77	20	1	1	0
Architecture and related programs, other	423	325	98	147	76	71	1	1	0
Area, ethnic, and cultural studies, total	3,005	1,195	1,810	897	463	434	141	90	51
Area studies, total	2,291	941	1,350	747	396	351	111	68	43
African studies	16	5	11	13	6	7	5	4	1
American studies/civilization	1,119	435	684	198	71	127	62	34	28
Latin American studies	196	76	120	139	76	63	3	2	1
Middle Eastern studies	39	18	21	80	52	28	11	7	4
Russian and Slavic studies	137	65	72	61	28	33	3	3	0
Asian studies	409	198	211	172	110	62	22	14	8
European studies	181	69	112	51	35	16	0	0	0
Area studies, other	194	75	119	33	18	15	5	4	1
Ethnic and cultural studies, total	588	199	389	80	33	47	9	6	3
Afro-American (Black) studies	218	95	123	24	15	9	0	0	0
Hispanic-American studies	84	28	56	26	7	19	0	0	0
Women's studies	126	11	115	9	0	9	2	0	2
Ethnic and cultural studies, other	160	65	95	21	11	10	7	6	1
Area and ethnic studies, other	126	55	71	70	34	36	21	16	5
Biological sciences/life sciences, total	38,640	20,558	18,082	5,406	2,996	2,410	3,437	2,381	1,056
Biology, general	27,379	14,408	12,971	2,313	1,305	1,008	617	429	188
Biochemistry and biophysics	2,052	1,209	843	254	145	109	490	348	142
Botany, total	449	221	228	365	189	176	254	187	67
Botany, general	419	209	210	239	113	126	168	122	46
Plant pathology	15	6	9	106	64	42	59	47	12
Botany, other	15	6	9	20	12	8	27	18	9
Cell and molecular biology, total	509	320	189	73	45	28	165	100	65
Cell biology	36	22	14	17	10	7	43	25	18

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	270	164	106	49	30	19	95	57	38
Cell and molecular biology, other	203	134	69	7	5	2	27	18	9
Microbiology/bacteriology	2,329	1,072	1,257	447	220	227	360	216	144
Miscellaneous biological specializations, total	1,839	1,005	834	905	423	482	610	405	205
Anatomy	0	0	0	53	26	27	103	67	36
Ecology	593	349	244	177	108	69	79	65	14
Marine biology	328	224	104	67	47	20	23	15	8
Neurosciences	148	66	82	21	15	6	61	49	12
Nutritional sciences	188	48	140	236	58	178	78	42	36
Toxicology	88	50	38	82	56	26	40	29	11
Genetics, plant and animal	162	81	81	98	24	74	108	66	42
Biometrics and biostatistics	11	4	7	80	33	47	49	32	17
Miscellaneous biological specializations, other	321	183	138	91	56	35	69	40	29
Zoology total	3,294	1,904	1,390	867	548	319	826	622	204
Zoology, general	2,616	1,483	1,133	347	207	140	188	140	48
Entomology	161	109	52	197	146	51	142	116	26
Pathology, human and animal	21	9	12	76	39	37	107	74	33
Pharmacology, human and animal	42	29	13	91	54	37	198	145	53
Physiology, human and animal	443	267	176	156	102	54	188	144	44
Zoology, other	11	7	4	0	0	0	3	3	0
Biological sciences/life sciences, other	789	419	370	182	121	61	115	74	41
Business management and administrative services and marketing operations/marketing and distribution, total	229,478	129,559	99,919	66,150	46,178	19,972	929	730	199
Business management and administrative services, total	226,123	128,130	97,993	66,104	46,155	19,949	928	730	198
Business, general	42,723	24,534	18,189	12,271	8,655	3,616	189	142	47
Business administration and management, total	70,150	40,540	29,610	34,964	24,645	10,319	425	354	71
Office supervision and management	1,263	87	1,176	1	0	1	0	0	0
Operations management and supervision	658	521	137	46	40	6	0	0	0
Business administration and management, other	68,229	39,932	28,297	34,917	24,605	10,312	425	354	71
Accounting	47,901	25,362	22,539	3,297	2,090	1,207	53	36	17
Administrative and secretarial services	927	37	890	0	0	0	0	0	0
Business/managerial economics	3,197	2,098	1,099	336	232	104	36	28	8
Enterprise management and operation	79	55	24	1	0	1	0	0	0
Financial management and services, total	18,389	12149	6240	4,628	3335	1293	53	43	10
Finance, general	17,576	11,622	5,954	4,433	3,174	1,259	49	42	7
Actuarial sciences	124	76	48	18	18	0	0	0	0
Banking and financial support services	9	4	5	0	0	0	0	0	0
Insurance and risk management	486	342	144	47	36	11	4	1	3
Investments and securities	194	105	89	130	107	23	0	0	0
Hospitality services management	3,392	2,044	1,348	180	128	52	2	1	1
Human resources management, total	4,214	2,153	2,061	1,856	1,065	791	73	50	23
Human resources management	2,408	1,201	1,207	889	502	387	29	17	12
Labor/personnel relations and studies	1,427	765	662	809	468	341	17	13	4
Organizational behavior studies	379	187	192	158	95	63	27	20	7
International business	768	361	407	1,610	1,076	534	4	3	1
Business information systems, total	3,647	2056	1591	613	467	146	1	1	0
Management information systems and data processing, general	2,440	1,354	1,086	605	460	145	1	1	0
Business information systems, other	1,207	702	505	8	7	1	0	0	0
Quantitative methods and management science, total	1,933	1,168	765	1,950	1,401	549	20	19	1
Business statistics	164	93	71	21	11	10	3	3	0
Management science, other	1,769	1,075	694	1,929	1,390	539	17	16	1
Marketing management and research	25,116	13,243	11,873	1,659	931	728	41	27	14
Real estate	592	470	122	129	111	18	4	4	0
Taxation	0	0	0	1,231	919	312	0	0	0
Consumer and personal services	51	40	11	0	0	0	0	0	0
Business management and administrative services, other	3,044	1,820	1,224	1,379	1,100	279	27	22	5
Marketing operations/marketing and distribution, total	3,355	1,429	1,926	46	23	23	1	0	1
Apparel and accessories marketing operations	756	23	733	1	0	1	1	0	1
Business and personal services marketing operations	791	467	324	4	4	0	0	0	0
General/retailing and wholesaling operations and skills	1,213	630	583	2	1	1	0	0	0
Tourism and travel services marketing operations	190	63	127	28	10	18	0	0	0
Marketing operations/marketing and distribution, other	405	246	159	11	8	3	0	0	0
Communications and communications technologies, total	40,113	16,604	23,509	3,656	1,600	2,056	219	131	88
Communications, total	38,586	15,774	22,812	3,513	1,511	2,002	215	128	87
Communications, general	17,173	6,652	10,521	1,472	604	868	158	90	68
Advertising	2,360	850	1,510	127	53	74	1	0	1
Journalism and mass communications, total	10,781	4,101	6,680	1,173	513	660	33	20	13
Journalism	9,795	3,669	6,126	1,141	501	640	33	20	13
Broadcast journalism	986	432	554	32	12	20	0	0	0
Public relations and organizational communications	1,171	337	834	100	36	64	0	0	0
Radio and television broadcasting	5,878	3,284	2,594	262	149	113	16	13	3
Communications, other	1,223	550	673	379	156	223	7	5	2
Communications technologies, total	1,527	830	697	143	89	54	4	3	1
Photographic technology/technician	16	11	5	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,451	787	664	65	32	33	1	1	0
Communications technologies/technicians, other	60	32	28	78	57	21	3	2	1

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, total	32,172	20,246	11,926	6,190	4,379	1,811	251	225	26
Computer and information sciences, general	26,191	16,699	9,492	5,292	3,805	1,487	242	218	24
Computer programming	323	213	110	2	2	0	0	0	0
Data processing technology/technician	882	537	345	52	44	8	0	0	0
Information science and systems	3,475	1,993	1,482	618	368	250	6	4	2
Computer systems analysis	330	202	128	75	50	25	0	0	0
Computer and information sciences, other	971	602	369	151	110	41	3	3	0
Education, total	92,299	22,195	70,104	75,664	21,142	54,522	6,911	3,446	3,465
Education, general	1,766	354	1,412	7,954	2,213	5,741	1,227	574	653
Bilingual/bicultural education	91	10	81	309	80	229	16	7	9
Curriculum and instruction	306	15	291	3,231	760	2,471	726	270	456
Education administration and supervision, total	101	6	95	10,151	4,981	5,170	1,909	1,110	799
Education administration and supervision, general	12	3	9	6,765	3,413	3,352	1,320	801	519
Administration of special education	0	0	0	64	21	43	21	5	16
Adult and continuing education administration	0	0	0	97	29	68	24	8	16
Educational supervision	0	0	0	963	360	603	32	10	22
Elementary and secondary education administration	59	1	58	1,333	734	599	64	33	31
Higher education administration	6	2	4	225	99	126	338	193	145
Community and junior college education administration	0	0	0	143	81	62	19	9	10
Educational administration and supervision, other	24	0	24	561	244	317	91	51	40
Educational/instructional media design	54	8	46	877	240	637	53	30	23
Educational evaluation, research and statistics, total	439	20	419	263	92	171	195	99	96
Educational evaluation and research, general	437	20	417	132	46	86	125	60	65
Educational statistics and research methods	2	0	2	45	25	20	62	35	27
Educational assessment, testing and measurement	0	0	0	86	21	65	8	4	4
Social and philosophical foundations of education	25	3	22	224	72	152	146	86	60
Special education, total	10,301	656	9,645	10,547	1,342	9,205	239	81	158
Special education, general	6,737	442	6,295	7,390	963	6,427	203	66	137
Education of the deaf and hearing impaired	322	12	310	278	33	245	3	2	1
Education of the gifted and talented	5	1	4	142	18	124	2	2	0
Education of the emotionally handicapped	305	27	278	262	37	225	3	2	1
Education of the mentally handicapped	1,051	63	988	231	46	185	8	1	7
Education of the multiple handicapped	46	2	44	144	19	125	0	0	0
Education of the physically handicapped	71	5	66	91	12	79	3	0	3
Education of the blind and visually handicapped	41	3	38	60	18	42	0	0	0
Education of the specific learning disabled	490	34	456	1,140	98	1,042	11	4	7
Education of the speech impaired	872	44	828	383	23	360	1	1	0
Special education, other	361	23	338	426	75	351	5	3	2
Counselor education/counseling and guidance services	122	28	94	9,352	2,630	6,722	483	250	233
General teacher education, total	42,164	3,888	38,276	15,558	2,746	12,812	463	188	275
Adult and continuing education	136	34	102	678	202	476	144	69	75
Elementary education	34,334	2,637	31,697	9,226	1,025	8,201	127	46	81
Junior high/intermediate/middle school education	393	77	316	337	53	284	1	0	1
Pre-elementary/early childhood/kindergarten education	4,555	105	4,450	1,595	93	1,502	24	1	23
Secondary education	2,509	1,010	1,499	3,150	1,197	1,953	101	44	57
General teacher education, other	237	25	212	572	176	396	66	28	38
Teacher education, academic and vocational programs, total	35,868	16,830	19,038	15,142	5,328	9,814	1,054	549	505
Agricultural education (vocational)	859	715	144	292	218	74	28	23	5
Art education	1,428	288	1,140	589	143	446	42	19	23
Business education (vocational)	2,080	323	1,757	732	123	609	33	15	18
Driver and safety education	72	64	8	109	93	16	4	3	1
English education	979	182	797	333	52	281	14	2	12
Foreign languages education	149	22	127	93	13	80	18	9	9
Health education	1,657	466	1,191	721	157	564	58	17	41
Home economics education (vocational)	1,277	26	1,251	285	3	282	10	1	9
Technology/industrial arts education	2,878	2,571	307	832	686	146	83	52	31
Marketing operations/marketing and distribution (vocational)	283	119	164	27	9	18	1	1	0
Mathematics education	775	302	473	416	149	267	32	14	18
Music education	4,085	1,773	2,312	920	433	487	73	48	25
Physical education and coaching	13,936	6,935	7,001	3,575	1,855	1,720	204	124	80
Reading education	188	18	170	3,694	265	3,429	110	26	84
Science education	702	327	375	411	168	243	56	38	18
Social science education	638	341	297	123	60	63	2	1	1
Social studies education	885	494	391	116	68	48	14	11	3
Technical education (vocational)	222	156	66	150	79	71	42	22	20
Trade and industrial education (vocational)	1,810	1,417	393	794	452	342	71	47	24
Teacher education, academic and vocational programs, other	965	291	674	930	302	628	159	76	83
Teaching English as a second language/foreign language	32	11	21	565	141	424	4	2	2
Education, other	1,030	366	664	1,491	517	974	396	200	196
Engineering and engineering-related technologies, total	94,185	82,092	12,093	20,655	18,500	2,155	2,981	2,816	165
Engineering, total	75,638	64,991	10,647	20,078	17,984	2,094	2,979	2,814	165
Engineering, general	3,706	3,080	626	1,230	1,083	147	307	300	7
Aerospace, aeronautical, and astronautical engineering	2,534	2,359	175	562	535	27	106	104	2
Agricultural engineering	735	675	60	142	127	15	44	43	1
Architectural engineering	411	358	53	40	38	2	5	5	0
Bioengineering and biomedical engineering	540	388	152	245	180	65	51	42	9

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	304	226	78	100	81	19	17	16	1
Chemical engineering	7,475	5,604	1,871	1,514	1,320	194	330	311	19
Civil engineering, general	9,693	8,390	1,303	3,146	2,820	326	369	345	24
Computer engineering	1,480	1,223	257	440	387	53	23	20	3
Electrical, electronics, and communications engineering	19,943	17,919	2,024	5,078	4,693	385	585	571	14
Engineering mechanics	349	301	48	167	152	15	67	64	3
Engineering physics	342	314	28	63	59	4	22	21	1
Engineering science	260	205	55	104	93	11	24	23	1
Environmental/environmental health engineering	190	129	61	360	273	87	36	34	2
Geological engineering	381	312	69	44	39	5	8	8	0
Geophysical engineering	103	88	15	11	10	1	5	4	1
Industrial/manufacturing engineering	3,937	2,883	1,054	1,557	1,279	278	119	102	17
Materials engineering	394	295	99	301	234	67	152	138	14
Mechanical engineering	16,629	14,868	1,761	2,797	2,613	184	319	312	7
Metallurgical engineering	654	510	144	283	252	31	98	84	14
Mining and mineral engineering	524	485	39	91	87	4	12	12	0
Naval architecture and marine engineering	651	616	35	92	87	5	5	5	0
Nuclear engineering	421	384	37	297	286	11	114	108	6
Ocean engineering	166	149	17	95	88	7	9	9	0
Petroleum engineering	1,634	1,454	180	281	267	14	21	21	0
Systems engineering	242	184	58	144	124	20	21	21	0
Textile sciences and engineering	40	24	16	11	8	3	1	1	0
Engineering, other	1,900	1,568	332	883	769	114	109	90	19
Engineering-related technologies, total	18,547	17,101	1,446	577	516	61	2	2	0
Architectural engineering technologies	1,077	983	94	15	13	2	0	0	0
Civil engingeering/civil technologies	735	682	53	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	4,525	4,261	264	4	4	0	0	0	0
Electromechanical instrumentation and maintenance technologies	79	74	5	9	9	0	0	0	0
Environmental control technologies	158	119	39	42	33	9	0	0	0
Industrial production technologies	4,544	4,150	394	287	255	32	0	0	0
Quality control and safety technologies	321	254	67	88	76	12	0	0	0
Mechanical engineering-related technologies	2,553	2,427	126	0	0	0	0	0	0
Mining and petroleum engineering technologies	63	57	6	1	1	0	0	0	0
Surveying	101	89	12	10	10	0	0	0	0
Mechanics and repairers	99	97	2	0	0	0	0	0	0
Construction trades	11	10	1	16	15	1	0	0	0
Engineering-related technologies, other	4,281	3,898	383	105	100	5	2	2	0
English language and literature/letters, total	32,834	11,170	21,664	5,010	1,736	3,274	1,018	459	559
English language and literature, general	23,434	7,575	15,859	3,500	1,211	2,289	695	317	378
Comparative literature	538	163	375	196	55	141	119	46	73
English composition	68	21	47	10	3	7	0	0	0
English creative writing	423	157	266	300	128	172	0	0	0
American literature (United States)	103	47	56	13	4	9	6	1	5
English literature (British and Commonwealth)	1,261	508	753	243	90	153	63	26	37
Speech and rhetorical studies	6,127	2,409	3,718	662	217	445	106	59	47
English technical and business writing	163	58	105	11	4	7	0	0	0
English language and literature/letters, other	717	232	485	75	24	51	29	10	19
Foreign languages and literatures, total	10,384	2,877	7,507	2,581	893	1,688	659	306	353
Foreign languages and literatures, total	1,145	292	853	867	308	559	203	93	110
Foreign languages and literatures, general	669	149	520	189	57	132	64	26	38
Linguistics	476	143	333	678	251	427	139	67	72
East and southeast asian languages and literatures, total	266	126	140	33	14	19	14	5	9
Chinese	115	52	63	14	7	7	10	4	6
Japanese	107	45	62	7	1	6	2	0	2
East and southeast asian languages, other	44	29	15	12	6	6	2	1	1
East european languages and literatures, total	387	160	227	92	39	53	40	21	19
Russian	340	136	204	39	14	25	3	3	0
Slavic languages (other than Russian)	42	23	19	49	21	28	35	16	19
East european languages, other	5	1	4	4	4	0	2	2	0
Germanic languages and literatures, total	1,347	473	874	262	99	163	74	40	34
German	1,292	455	837	241	91	150	63	30	33
Scandinavian languages	28	7	21	4	2	2	1	1	0
Germanic languages, other	27	11	16	17	6	11	10	9	1
South asian languages and literatures	2	1	1	4	2	2	7	3	4
Romance languages and literatures, total	6,411	1,466	4,945	1,023	276	747	210	82	128
French	2,876	575	2,301	418	101	317	86	27	59
Italian	206	43	163	41	13	28	13	3	10
Portuguese	34	7	27	7	2	5	1	1	0
Spanish	3,254	835	2,419	537	157	380	102	50	52
Romance languages, other	41	6	35	20	3	17	8	1	7
Middle eastern languages and literatures, total	70	24	46	37	25	12	15	14	1
Arabic	6	2	4	2	2	0	0	0	0
Hebrew	53	18	35	17	10	7	6	6	0
Middle eastern languages, other	11	4	7	18	13	5	9	8	1
Classical and ancient near east languages and literatures, total	606	282	324	152	82	70	65	35	30

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classics and classical languages	429	194	235	130	71	59	58	31	27
Greek (ancient and medieval)	56	38	18	10	6	4	3	2	1
Latin (ancient and medieval)	121	50	71	12	5	7	4	2	2
Foreign languages and literatures, other	150	53	97	111	48	63	31	13	18
Health professions and related sciences, total	64,288	10,040	54,248	17,411	4,251	13,160	1,164	574	590
Chiropractic	0	0	0	3	2	1	0	0	0
Communication disorders sciences and services	2,901	155	2,746	3,067	187	2,880	120	54	66
Community health liason	171	28	143	269	70	199	10	3	7
Dentistry specialties	146	112	34	433	351	82	8	6	2
Dental services	1,071	11	1,060	17	4	13	0	0	0
Health and medical administrative services, total	3,047	575	2,472	2,176	961	1,215	27	15	12
Health services administration	1,948	491	1,457	1,805	832	973	22	12	10
Medical records administration	531	34	497	0	0	0	0	0	0
Medical records technology/technician	33	3	30	0	0	0	0	0	0
Health and medical administrative services, other	535	47	488	371	129	242	5	3	2
Health and medical assistants, total	588	265	323	28	9	19	0	0	0
Medical assistant	20	11	9	0	0	0	0	0	0
Medical laboratory assistant	7	3	4	0	0	0	0	0	0
Physical therapy assistant	16	1	15	0	0	0	0	0	0
Physician assistant	544	250	294	28	9	19	0	0	0
Health and medical assistants, other	1	0	1	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	917	359	558	32	21	11	0	0	0
Respiratory therapy technology/technician	245	92	153	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	672	267	405	32	21	11	0	0	0
Health and medical laboratory technologies/technicians, total	4,415	914	3501	1,483	627	856	164	87	77
Medical technology	1,504	297	1,207	89	23	66	2	0	2
Health and medical laboratory technologies/technicians, other	2,911	617	2,294	1,394	604	790	162	87	75
Health and medical preparatory programs, total	1,077	730	347	2	2	0	0	0	0
Pre-dentistry studies	136	106	30	0	0	0	0	0	0
Pre-medicine studies	757	527	230	2	2	0	0	0	0
Pre-pharmacy studies	1	0	1	0	0	0	0	0	0
Pre-veterinary studies	183	97	86	0	0	0	0	0	0
Medicine	342	176	166	112	64	48	66	45	21
Medical basic sciences	134	55	79	225	133	92	79	57	22
Mental health services, total	253	51	202	236	66	170	8	5	3
Alcohol/drug abuse counseling	49	12	37	9	5	4	0	0	0
Psychiatric/mental health services technician	84	15	69	78	29	49	0	0	0
Clinical and medical social work	48	7	41	16	4	12	1	1	0
Mental health services, other	72	17	55	133	28	105	7	4	3
Nursing	33,569	1,841	31,728	5,745	448	5,297	220	16	204
Optometry	285	181	84	5	3	2	2	2	0
Osteopathic medicine	4	4	0	43	37	6	0	0	0
Pharmacy	5,480	2,774	2,706	333	215	118	153	105	48
Epidemiology	0	0	0	93	51	42	57	20	37
Rehabilitative/therapeutic services, total	5,661	806	4,855	1,520	362	1,158	14	7	7
Art therapy	59	2	57	163	14	149	0	0	0
Dance therapy	5	0	5	21	1	20	0	0	0
Music therapy	292	24	268	19	6	13	0	0	0
Occupational therapy	1,692	93	1,599	258	34	224	1	0	1
Orthotics/prosthetics	13	10	3	0	0	0	0	0	0
Physical therapy	2,947	552	2,395	399	110	289	3	2	1
Recreational therapy	175	32	143	21	5	16	1	0	1
Vocational rehabilitation counseling	252	50	202	513	149	364	7	5	2
Rehabilitative services, other	226	43	183	126	43	83	2	0	2
Veterinary medicine	203	115	88	169	108	61	104	81	23
Miscellaneous health professions	511	57	454	209	21	188	0	0	0
Health professions and related sciences, other	3,533	831	2,702	1,211	509	702	132	71	61
Home economics and vocational home economics, total	15,948	995	14,953	2,416	276	2,140	277	70	207
Home economics, total	14,593	732	13,861	2,310	247	2,063	270	67	203
Home economics, general	4,217	115	4,102	664	29	635	86	13	73
Business home economics	157	7	150	0	0	0	0	0	0
Family and community studies	256	16	240	31	3	28	1	0	1
Family/consumer resource management	687	70	617	52	4	48	11	2	9
Foods and nutrition studies	3,399	252	3,147	778	85	693	59	25	34
Housing studies	592	43	549	49	12	37	3	0	3
Individual and family development studies	2,206	122	2,084	580	100	480	95	27	68
Clothing/apparel and textile studies	2,869	97	2,772	117	7	110	14	0	14
Home economics, other	210	10	200	39	7	32	1	0	1
Vocational home economics, total	1,355	263	1,092	106	29	77	7	3	4
Consumer and homemaking education	665	56	609	39	10	29	7	3	4
Custodial, housekeeping and home services workers and managers	382	151	231	38	12	26	0	0	0
Vocational home economics, other	308	56	252	29	7	22	0	0	0
Law and legal studies, total	1,272	533	739	1,802	1,387	415	121	100	21
Law, general	139	76	63	1,379	1,065	314	121	100	21
Pre-law studies	423	274	149	0	0	0	0	0	0
Paralegal/legal assistant	457	86	371	0	0	0	0	0	0

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Law and legal studies, other	253	97	156	423	322	101	0	0	0
Liberal arts and sciences, general studies, and humanities, total	21,479	9,659	11,820	1,796	694	1,102	173	93	80
Liberal arts and sciences/liberal studies	14,172	7,284	6,888	994	353	641	30	17	13
Humanities/humanistic studies	2,664	941	1,723	623	277	346	125	66	59
Liberal arts and sciences, general studies, other	4,643	1,434	3,209	179	64	115	18	10	8
Library science, total	252	32	220	3,782	762	3,020	74	38	36
Library science/librarianship	250	31	219	3,759	756	3,003	65	32	33
Library science, other	2	1	1	23	6	17	9	6	3
Mathematics, total	13,764	7,716	6,048	3,244	2,178	1,066	743	614	129
Mathematics, general	11,582	6,383	5,199	1,871	1,189	682	496	401	95
Applied mathematics, total	1,419	873	546	774	582	192	90	82	8
Applied mathematics, general	742	447	295	253	177	76	42	37	5
Operations research (quantitative methods)	677	426	251	521	405	116	48	45	3
Mathematical statistics	298	167	131	471	318	153	149	126	23
Mathematics, other	465	293	172	128	89	39	8	5	3
Multi/interdisciplinary studies, total	13,940	7,266	6,674	2,431	1,537	894	249	172	77
Biological and physical sciences	2,558	1,656	902	280	158	122	31	24	7
Systems science	32	15	17	878	758	120	10	8	2
Museology/museum studies	2	1	1	20	3	17	0	0	0
Multi/interdisciplinary studies, other	11,348	5,594	5,754	1,253	618	635	208	140	68
Parks, recreation, leisure, and fitness studies, total	4,850	1,811	3,039	603	276	327	27	19	8
Parks, recreation and leisure studies	2,037	689	1,348	231	100	131	12	8	4
Park, recreation and leisure facilities management	2,451	932	1,519	245	116	129	8	6	2
Health and physical education/fitness	98	46	52	48	22	26	0	0	0
Parks, recreation, leisure and fitness studies, other	264	144	120	79	38	41	7	5	2
Philosophy and religion, total	6,435	4,299	2,136	1,153	741	412	442	330	112
Philosophy	3,300	2,305	995	477	354	123	219	170	49
Religion/religious studies	2,818	1,767	1,051	592	340	252	204	144	60
Philosophy and religion, other	317	227	90	84	47	37	19	16	3
Physical sciences and science technologies, total	23,651	17,116	6,535	5,576	4,268	1,308	3,306	2,815	491
Physical sciences, total	23,604	17,091	6,513	5,561	4,257	1,304	3,298	2,809	489
Physical sciences, general	475	338	137	129	65	64	4	4	0
Astronomy	73	55	18	56	46	10	56	52	4
Astrophysics	21	19	2	11	11	0	10	9	1
Atmospheric science and meteorology	478	380	98	246	213	33	50	45	5
Chemistry, total	10,704	6,973	3,731	1,667	1,137	530	1,744	1,425	319
Chemistry, general	10,468	6,815	3,653	1,549	1,057	492	1,592	1,299	293
Analytical chemistry	26	17	9	10	6	4	6	5	1
Inorganic chemistry	0	0	0	6	4	2	15	10	5
Organic chemistry	0	0	0	20	17	3	37	33	4
Medicinal/pharmaceutical chemistry	6	4	2	35	19	16	37	26	11
Chemistry, other	204	137	67	47	34	13	57	52	5
Geological and related sciences, total	6,549	4,934	1,615	1,514	1,149	365	315	266	49
Geology	6,171	4,645	1,526	1,311	998	313	233	192	41
Geochemistry	12	7	5	18	13	5	17	16	1
Geophysics and seismology	175	142	33	107	90	17	36	32	4
Geological sciences, other	191	140	51	78	48	30	29	26	3
Miscellaneous physical sciences, total	1,014	761	253	314	234	80	119	90	29
Metallurgy	3	2	1	42	38	4	9	8	1
Oceanography	241	187	54	130	99	31	69	50	19
Earth science	733	542	191	103	67	36	22	17	5
Miscellaneous physical sciences, other	37	30	7	39	30	9	19	15	4
Physics, total	3,907	3,350	557	1,532	1,340	192	953	877	76
Physics, general	3,731	3,198	533	1,440	1,256	184	863	792	71
Physics, other	176	152	24	92	84	8	90	85	5
Physical sciences, other	383	281	102	92	62	30	47	41	6
Science technologies, total	47	25	22	15	11	4	8	6	2
Precision production trades, total	371	294	77	0	0	0	0	0	0
Drafting, general	249	216	33	0	0	0	0	0	0
Precision production trades, other	122	78	44	0	0	0	0	0	0
Protective services, total	12,654	7,804	4,850	1,219	901	318	31	26	5
Criminal justice and corrections, total	12,293	7,524	4,769	1,189	876	313	31	26	5
Corrections/correctional administration	656	278	378	151	91	60	1	1	0
Criminal justice/law enforcement administration	3,305	2,043	1,262	285	212	73	0	0	0
Criminal justice studies	6,067	3,684	2,383	606	473	133	21	17	4
Forensic technology/technician	78	39	39	39	28	11	0	0	0
Law enforcement/police science	1,431	1,044	387	40	27	13	0	0	0
Criminal justice and corrections, other	756	436	320	68	45	23	9	8	1
Fire protection	117	113	4	3	3	0	0	0	0
Protective services, other	244	167	77	27	22	5	0	0	0
Psychology, total	39,955	12,812	27,143	9,525	3,400	6,125	3,535	1,774	1,761
Psychology, general	37,575	12,023	25,552	4,206	1,641	2,565	1,747	891	856
Clinical psychology	74	15	59	701	260	441	699	349	350
Counseling psychology	100	25	75	1,771	580	1,191	179	92	87
Developmental and child psychology	315	34	281	128	34	94	45	22	23
Experimental psychology	167	53	114	40	17	23	69	40	29
Industrial and organizational psychology	73	22	51	348	168	180	35	20	15

Table 29.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1983–84—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	141	54	87	3	2	1	31	21	10
Social psychology	410	171	239	48	19	29	18	10	8
School psychology	83	20	63	1,523	439	1,084	562	257	305
Psychology, other	1,017	395	622	757	240	517	150	72	78
Public administration and services, total	12,570	2,998	9,572	15,060	5,634	9,426	420	230	190
Community organization, resources and services	877	240	637	237	136	101	6	3	3
Public administration	2,447	1,260	1,187	5,627	3,405	2,222	157	114	43
Public policy analysis	209	121	88	297	185	112	30	18	12
Social work	8,776	1,241	7,535	8,531	1,755	6,776	226	94	132
Public administration and services, other	261	136	125	368	153	215	1	1	0
R.O.T.C. and military technologies, total	195	179	16	127	126	1	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	195	179	16	78	77	1	0	0	0
Military technologies, total	0	0	0	49	49	0	0	0	0
Social sciences and history, total	93,323	52,154	41,169	10,577	6,551	4,026	2,911	2,030	881
Social sciences, general	4,643	1,991	2,652	582	318	264	34	17	17
Anthropology	2,693	999	1,694	740	312	428	327	164	163
Archeology	67	29	38	39	12	27	11	3	8
Criminology	1,005	565	440	79	56	23	5	4	1
Demography and population studies	27	18	9	6	4	2	9	5	4
Economics	20,719	13,645	7,074	1,891	1,446	445	729	620	109
Geography, total	3,225	2194	1031	589	410	179	120	95	25
Geography	3,195	2,175	1,020	583	406	177	120	95	25
Cartography	30	19	11	6	4	2	0	0	0
History	16,643	10,363	6,280	1,940	1,165	775	561	376	185
International relations and affairs	3,007	1,426	1,581	1,252	798	454	63	55	8
Political science and government, general	25,719	15,655	10,064	1,769	1,232	537	457	352	105
Sociology	13,145	4,218	8,927	1,008	456	552	520	289	231
Urban affairs/studies	767	357	410	433	236	197	26	18	8
Social sciences and history, other	1,663	694	969	249	106	143	49	32	17
Theological studies and religious vocations, total	5,920	4,371	1,549	5,211	3,462	1,749	1,204	1,126	78
Biblical and other theological languages and literatures	63	58	5	37	36	1	1	1	0
Bible/biblical studies	2,128	1,761	367	307	258	49	9	7	2
Missions/missionary studies and missiology	243	162	81	122	104	18	18	18	0
Religious education	1,199	613	586	1,042	525	517	47	44	3
Religious/sacred music	271	160	111	106	69	37	6	4	2
Theological and theological studies	1,333	1,133	200	2,058	1,465	593	848	792	56
Pastoral counseling and specialized ministries	6	5	1	105	54	51	2	2	0
Theological studies and religious vocations, other	677	479	198	1,434	951	483	273	258	15
Transportation and material moving workers, total	1,698	1,554	144	194	181	13	0	0	0
Transportation and material moving, other	1,698	1,554	144	194	181	13	0	0	0
Visual and performing arts, total	40,131	15,089	25,042	8,526	3,897	4,629	730	406	324
Visual and performing arts, general	1,478	504	974	192	75	117	10	6	4
Crafts, folk art and artisanry	166	49	117	7	3	4	0	0	0
Dance	793	87	706	174	25	149	3	0	3
Design and applied art	5,252	1,849	3,403	260	124	136	2	0	2
Dramatic/theater arts and stagecraft	5,315	2,209	3,106	1,181	589	592	100	55	45
Film/video and photographic arts, total	1,699	1,070	629	309	210	99	5	3	2
Film-video making/Cinematography and production	618	424	194	192	133	59	5	3	2
Photography	787	458	329	84	55	29	0	0	0
Film/video and photographic arts, other	294	188	106	33	22	11	0	0	0
Fine arts and art studies, total	16,461	5,170	11,291	2,872	1,134	1,738	147	38	109
Art, general	10,771	3,386	7,385	1,634	701	933	23	5	18
Art history criticism and conservation	1,705	363	1,342	398	87	311	106	27	79
Arts management	111	43	68	42	11	31	1	0	1
Painting	917	336	581	181	80	101	0	0	0
Ceramic arts and ceramics	102	32	70	26	11	15	0	0	0
Fiber, textile and weaving arts	117	12	105	17	2	15	0	0	0
Metal and jewelry arts	32	6	26	10	2	8	0	0	0
Fine arts and art studies, other	2,706	992	1,714	564	240	324	17	6	11
Graphic arts technology	210	91	119	9	6	3	5	4	1
Music, total	7,870	3,678	4,192	3,450	1,699	1,751	458	300	158
Music, general	4,323	1,896	2,427	1,360	648	712	216	149	67
Music history and literature	97	39	58	69	21	48	32	16	16
Music, general performance	2,532	1,212	1,320	1,583	757	826	116	72	44
Music theory and composition	352	231	121	222	152	70	84	54	30
Music, other	566	300	266	216	121	95	10	9	1
Visual and performing arts, other	887	382	505	72	32	40	0	0	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1983–84" survey. (This table was prepared September, 1993.)

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Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**979,477**	**482,528**	**496,949**	**286,251**	**143,390**	**142,861**	**32,943**	**21,700**	**11,243**
Agriculture and natural resources, total	18,107	12,477	5,630	3,928	2,846	1,082	1,213	1,036	177
Agricultural business and production, total	6,086	4,647	1,439	798	615	183	195	164	31
Agricultural business and management, total	4,490	3,539	951	645	497	148	164	138	26
Agricultural business and management, general	507	384	123	60	50	10	8	6	2
Agricultural business/agribusiness operations	1,417	1,148	269	47	39	8	0	0	0
Agricultural economics	2,304	1,794	510	532	405	127	156	132	24
Agricultural business and management, other	262	213	49	6	3	3	0	0	0
Agricultural mechanization	335	330	5	17	17	0	0	0	0
Agricultural production workers and managers	154	115	39	33	28	5	8	5	3
Horticulture services operations and management	489	281	208	39	22	17	15	14	1
International agriculture	19	12	7	17	15	2	0	0	0
Agribusiness and agricultural production, other	599	370	229	47	36	11	8	7	1
Agricultural sciences, total	8,365	5,258	3,107	2,030	1,394	636	806	695	111
Agriculture/agricultural sciences, general	1,513	1,100	413	249	185	64	6	6	0
Animal sciences, total	3,774	2,115	1,659	606	409	197	220	186	34
Animal sciences, general	3,031	1,639	1,392	391	261	130	131	108	23
Agricultural animal breeding and genetics	183	116	67	36	27	9	9	8	1
Agricultural animal health	6	3	3	10	4	6	9	7	2
Agricultural animal nutrition	4	2	2	18	11	7	11	8	3
Dairy science	262	196	66	63	48	15	20	19	1
Poultry science	78	59	19	37	24	13	17	16	1
Animal sciences, other	210	100	110	51	34	17	23	20	3
Food sciences and technology	546	260	286	237	130	107	102	80	22
Plant sciences, total	2,262	1,603	659	815	577	238	389	340	49
Plant sciences, general	343	217	126	80	55	25	12	11	1
Agronomy and crop science	841	706	135	379	300	79	215	193	22
Horticulture science	846	510	336	194	109	85	74	60	14
Plant breeding and genetics	0	0	0	33	22	11	39	33	6
Agricultural plant pathology	12	11	1	22	14	8	14	11	3
Plant protection (pest management)	39	31	8	38	25	13	2	2	0
Range science and management	152	109	43	54	43	11	26	23	3
Plant sciences, other	29	19	10	15	9	6	7	7	0
Soil sciences	209	148	61	105	83	22	82	77	5
Agriculture/agricultural sciences, other	61	32	29	18	10	8	7	6	1
Conservation and renewable natural resources, total	3,656	2,572	1,084	1,100	837	263	212	177	35
Natural resources conservation, general	1,081	638	443	264	190	74	35	27	8
Natural resources management and policy	139	82	57	3	3	0	0	0	0
Fishing and fisheries science and management	181	139	42	148	111	37	33	24	9
Forest harvesting and production technology/technician	240	200	40	36	33	3	18	18	0
Forestry, general	1,314	1,027	287	486	373	113	102	87	15
Wildlife and wildlands management	591	421	170	124	98	26	17	15	2
Conservation and renewable natural resources, other	110	65	45	39	29	10	7	6	1
Architecture and related programs, total	9,325	6,019	3,306	3,275	2,148	1,127	89	66	23
Architecture	5,324	4,056	1,268	1,775	1,249	526	25	16	9
City/urban, community, and regional planning	305	218	87	919	568	351	60	47	13
Architectural environmental design	906	610	296	72	30	42	3	2	1
Interior architecture	1,362	144	1,218	22	5	17	0	0	0
Landscape architecture	903	588	315	276	155	121	1	1	0
Architectural urban design and planning	3	1	2	80	65	15	0	0	0
Architecture and related programs, other	522	402	120	131	76	55	0	0	0
Area, ethnic, and cultural studies, total	2,985	1,104	1,881	904	473	431	140	87	53
Area studies, total	2,356	907	1,449	741	403	338	117	74	43
African studies	35	7	28	14	8	6	5	4	1
American studies/civilization	1,067	380	687	178	76	102	74	37	37
Latin American studies	253	101	152	145	75	70	4	3	1
Middle Eastern studies	56	28	28	88	60	28	5	3	2
Russian and Slavic studies	149	62	87	83	47	36	3	3	0
Asian studies	429	192	237	167	90	77	18	17	1
European studies	164	61	103	45	34	11	2	1	1
Area studies, other	203	76	127	21	13	8	6	6	0
Ethnic and cultural studies, total	448	126	322	95	36	59	9	4	5
Afro-American (black) studies	162	64	98	24	10	14	0	0	0
Hispanic-American studies	58	16	42	18	7	11	0	0	0
Women's studies	118	5	113	25	9	16	3	1	2
Ethnic and cultural studies, other	110	41	69	28	10	18	6	3	3
Area, ethnic and cultural studies, other	181	71	110	68	34	34	14	9	5
Biological sciences/life sciences, total	38,445	20,064	18,381	5,059	2,647	2,412	3,432	2,307	1,125
Biology, general	27,593	14,205	13,388	2,130	1,122	1,008	658	431	227
Biochemistry and biophysics	2,111	1,261	850	257	142	115	464	327	137
Botany, total	341	174	167	297	177	120	263	195	68
Botany, general	317	161	156	192	104	88	152	110	42
Plant pathology	11	8	3	94	66	28	86	65	21
Botany, other	13	5	8	11	7	4	25	20	5
Cell and molecular biology, total	592	354	238	87	49	38	186	127	59
Cell biology	29	10	19	28	17	11	51	32	19

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	322	199	123	51	26	25	104	74	30
Cell and molecular biology, other	241	145	96	8	6	2	31	21	10
Microbiology/bacteriology	2,180	1,070	1,110	413	188	225	302	189	113
Miscellaneous biological specializations, total	1,588	767	821	938	392	546	622	374	248
Anatomy	1	1	0	52	36	16	120	68	52
Ecology	494	265	229	188	105	83	81	53	28
Marine biology	318	205	113	63	38	25	23	17	6
Neurosciences	125	54	71	9	5	4	57	33	24
Nutritional sciences	220	48	172	253	42	211	87	40	47
Toxicology	90	30	60	57	29	28	43	34	9
Genetics, plant and animal	166	71	95	124	48	76	115	66	49
Biometrics and biostatistics	15	5	10	85	31	54	42	27	15
Miscellaneous biological specializations, other	159	88	71	107	58	49	54	36	18
Zoology, total	3,128	1,766	1,362	776	503	275	802	571	231
Zoology, general	2,544	1,438	1,106	329	209	120	175	130	45
Entomology	136	91	45	189	140	49	169	138	31
Pathology, human and animal	21	4	17	60	30	30	98	70	28
Pharmacology, human and animal	38	18	20	54	26	28	196	124	72
Physiology, human and animal	389	215	174	146	98	48	158	107	51
Zoology, other	0	0	0	0	0	0	6	2	4
Biological sciences/life sciences, other	912	467	445	159	74	85	135	93	42
Business management and administrative services and marketing operations/marketing and distribution, total	232,636	127,659	104,977	66,996	46,209	20,787	831	688	143
Business management and administrative services, total	228,883	126,119	102,764	66,970	46,197	20,773	829	688	141
Business, general	42,904	24,098	18,806	14,001	9,621	4,380	181	150	31
Business administration and management, total	68,272	38,362	29,910	35,122	24,734	10,388	392	330	62
Office supervision and management	1,463	125	1,338	4	0	4	0	0	0
Operations management and supervision	736	616	120	94	78	16	0	0	0
Business administration and management, other	66,073	37,621	28,452	35,024	24,656	10,368	392	330	62
Accounting	47,333	24,108	23,225	3,215	1,951	1,264	59	46	13
Administrative and secretarial services	861	53	808	0	0	0	0	0	0
Business/managerial economics	3,583	2,317	1,266	248	186	62	41	38	3
Enterprise management and operation	69	54	15	1	1	0	0	0	0
Financial management and services, total	20,625	13,362	7,263	4,989	3,530	1,459	34	31	3
Finance, general	19,881	12,878	7,003	4,790	3,382	1,408	31	29	2
Actuarial sciences	137	84	53	23	16	7	0	0	0
Insurance and risk management	425	276	149	44	33	11	3	2	1
Investments and securities	182	124	58	132	99	33	0	0	0
Hospitality services management	3,774	2,174	1,600	297	188	109	0	0	0
Human resources management, total	4,197	2,089	2,108	1,819	951	868	49	32	17
Human resources management	2,528	1,238	1,290	962	474	488	12	6	6
Labor/personnel relations and studies	1,265	642	623	722	421	301	17	14	3
Organizational behavior studies	404	209	195	135	56	79	20	12	8
International business	914	413	501	1,814	1,250	564	6	5	1
Business information systems, total	4,211	2382	1829	791	589	202	1	1	0
Management information systems and data processing, general	3,025	1,735	1,290	789	589	200	1	1	0
Business information systems, other	1,186	647	539	2	0	2	0	0	0
Quantitative methods and management science, total	1,501	881	620	264	199	65	9	8	1
Business statistics	117	61	56	15	10	5	4	3	1
Management science, other	1,384	820	564	249	189	60	5	5	0
Marketing management and research	26,406	13,378	13,028	1,707	956	751	27	21	6
Real estate	645	511	134	159	126	33	1	0	1
Taxation	0	0	0	1,175	861	314	0	0	0
Consumer and personal services	159	87	72	7	1	6	0	0	0
Business management and administrative services, other	3,429	1,850	1,579	1,361	1,053	308	29	26	3
Marketing operations/marketing and distribution, total	3,753	1,540	2,213	26	12	14	2	0	2
Apparel and accessories marketing operations	813	38	775	1	0	1	2	0	2
Business and personal services marketing operations	979	494	485	5	1	4	0	0	0
General/retailing and wholesaling operations and skills	1,322	682	640	1	1	0	0	0	0
Tourism and travel services marketing operations	186	56	130	13	5	8	0	0	0
Marketing operations/marketing and distribution, other	453	270	183	6	5	1	0	0	0
Communications and communications technologies, total	42,002	17,175	24,827	3,669	1,576	2,093	234	143	91
Communications, total	40,358	16,318	24,040	3,460	1,447	2,013	228	138	90
Communications, general	17,886	6,991	10,895	1,486	597	889	152	92	60
Advertising	2,495	906	1,589	137	47	90	0	0	0
Journalism and mass communications, total	11,615	4,338	7,277	1,173	493	680	38	26	12
Journalism	10,503	3,868	6,635	1,143	482	661	38	26	12
Broadcast journalism	1,112	470	642	30	11	19	0	0	0
Public relations and organizational communications	1,250	338	912	88	24	64	0	0	0
Radio and television broadcasting	6,059	3,336	2,723	318	168	150	19	10	9
Communications, other	1,053	409	644	258	118	140	19	10	9
Communications technologies, total	1,644	857	787	209	129	80	6	5	1
Photographic technology/technician	12	8	4	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,548	792	756	89	43	46	4	3	1
Communications technologies/technicians, other	84	57	27	120	86	34	2	2	0
Computer and information sciences, total	38,878	24,579	14,299	7,101	5,064	2,037	248	223	25

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	31,463	20,128	11,335	6,070	4,387	1,683	231	209	22
Computer programming	337	263	74	29	25	4	0	0	0
Data processing technology/technician	1,053	622	431	21	14	7	0	0	0
Information science and systems	4,293	2,494	1,799	719	451	268	10	7	3
Computer systems analysis	515	292	223	91	71	20	0	0	0
Computer and information sciences, other	1,217	780	437	171	116	55	7	7	0
Education, total	88,072	21,252	66,820	74,654	20,537	54,117	6,612	3,172	3,440
Education, general	2,032	427	1,605	8,256	2,292	5,964	1,157	538	619
Bilingual and bicultural education	115	14	101	309	71	238	10	3	7
Curriculum and instruction	341	14	327	3,245	732	2,513	732	275	457
Education administration and supervision, total	40	6	34	10,571	4,979	5,592	2,003	1,085	918
Education administration and supervision, general	15	4	11	7,051	3,410	3,641	1,448	816	632
Administration of special education	0	0	0	71	37	34	19	7	12
Adult and continuing education administration	1	0	1	152	31	121	22	8	14
Educational supervision	0	0	0	815	310	505	34	13	21
Elementary and secondary education administration	8	2	6	1,424	739	685	50	27	23
Higher education administration	2	0	2	264	89	175	311	160	151
Community and junior college education administration	0	0	0	97	39	58	13	6	7
Educational administration and supervision, other	14	0	14	697	324	373	106	48	58
Educational/instructional media design	39	3	36	917	269	648	53	26	27
Educational evaluation, research and statistics, total	0	0	0	194	69	125	129	62	67
Educational evaluation and research, general	0	0	0	145	49	96	77	40	37
Educational statistics and research methods	0	0	0	3	2	1	0	0	0
Educational assessment, testing, and measurement	0	0	0	44	16	28	52	22	30
Educational evaluation, research and statistics, other	0	0	0	2	2	0	0	0	0
Social and philosophical foundations of education	0	0	0	220	71	149	131	70	61
Special education, total	9,134	574	8,560	9,933	1,211	8,722	235	81	154
Special education, general	5,940	374	5,566	7,070	901	6,169	199	70	129
Education of the deaf and hearing impaired	280	14	266	252	22	230	1	0	1
Education of the gifted and talented	10	0	10	143	14	129	2	2	0
Education of the emotionally handicapped	306	35	271	325	54	271	2	0	2
Education of the mentally handicapped	883	57	826	264	43	221	3	2	1
Education of the multiple handicapped	28	4	24	125	10	115	0	0	0
Education of the physically handicapped	53	11	42	96	7	89	2	0	2
Education of the blind and visually handicapped	27	0	27	81	22	59	1	1	0
Education of the specific learning disabled	433	32	401	908	80	828	18	4	14
Education of the speech impaired	775	28	747	354	16	338	3	1	2
Special education, other	399	19	380	315	42	273	4	1	3
Counselor education/counseling and guidance services	118	33	85	9,089	2,469	6,620	456	205	251
General teacher education, total	41,167	3,684	37,483	15,420	2,550	12,870	495	202	293
Adult and continuing education	300	38	262	661	206	455	134	59	75
Elementary education	33,162	2,442	30,720	9,075	909	8,166	130	43	87
Junior high/intermediate and middle school education	484	79	405	403	50	353	3	2	1
Pre-elementary/early childhood/kindergarten education	4,275	79	4,196	1,325	40	1,285	30	5	25
Secondary education	2,604	998	1,606	3,195	1,145	2,050	112	50	62
General teacher education, other	342	48	294	761	200	561	86	43	43
Teacher education, academic and vocational programs, total	34,216	16,229	17,987	14,531	5,269	9,262	968	511	457
Agricultural education (vocational)	812	667	145	363	286	77	23	20	3
Art education	1,272	243	1,029	579	154	425	38	16	22
Business education (vocational)	2,078	359	1,719	706	106	600	41	19	22
Driver and safety education	72	63	9	74	66	8	3	2	1
English education	1,035	208	827	378	73	305	31	6	25
Foreign languages education	139	21	118	147	66	81	19	8	11
Health education	1,464	391	1,073	749	175	574	97	40	57
Home economics education (vocational)	1,080	16	1,064	238	2	236	11	0	11
Technology/industrial arts education	2,666	2,401	265	622	509	113	52	34	18
Marketing operations/marketing and distribution education	322	121	201	33	14	19	2	2	0
Mathematics education	1,027	407	620	426	125	301	29	14	15
Music education	3,671	1,527	2,144	945	409	536	75	54	21
Physical education and coaching	13,484	6,913	6,571	3,603	1,850	1,753	227	134	93
Reading education	161	16	145	3,211	235	2,976	82	14	68
Science education	842	379	463	455	184	271	64	38	26
Social science education	533	275	258	133	47	86	9	7	2
Social studies education	957	548	409	168	89	79	7	4	3
Technical education (vocational)	232	158	74	162	100	62	33	18	15
Trade and industrial education (vocational)	1,553	1,217	336	765	465	300	61	44	17
Teacher education, academic and vocational programs, other	816	299	517	774	314	460	64	37	27
Teaching English as a second language/foreign language	29	6	23	564	141	423	11	4	7
Education, other	841	262	579	1,405	414	991	232	110	122
Engineering and engineering-related technologies, total	95,828	83,232	12,596	21,555	19,247	2,308	3,230	3,022	208
Engineering, total	77,066	65,889	11,177	20,905	18,664	2,241	3,221	3,014	207
Engineering, general	3,366	2,803	563	1,375	1,220	155	274	261	13
Aerospace, aeronautical, and astronautical engineering	2,854	2,613	241	605	574	31	110	106	4
Agricultural engineering	770	702	68	197	182	15	35	35	0
Architectural engineering	372	303	69	49	45	4	6	6	0
Bioengineering and biomedical engineering	605	424	181	290	220	70	49	43	6

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	274	202	72	77	61	16	15	15	0
Chemical engineering	7,146	5,289	1,857	1,544	1,277	267	418	379	39
Civil engineering, general	9,162	7,931	1,231	3,172	2,835	337	377	356	21
Computer engineering	1,839	1,529	310	495	434	61	30	30	0
Electrical, electronics, and communications engineering	21,691	19,275	2,416	5,153	4,719	434	660	632	28
Engineering mechanics	349	302	47	219	196	23	64	62	2
Engineering physics	339	295	44	94	91	3	26	23	3
Engineering science	356	299	57	183	164	19	26	25	1
Environmental/environmental health engineering	150	110	40	319	246	73	25	23	2
Geological engineering	369	292	77	79	63	16	5	5	0
Geophysical engineering	98	86	12	11	9	2	3	3	0
Industrial/manufacturing engineering	3,914	2,766	1,148	1,462	1,235	227	139	125	14
Materials engineering	388	283	105	348	275	73	180	157	23
Mechanical engineering	16,794	15,045	1,749	3,053	2,848	205	409	385	24
Metallurgical engineering	613	505	108	251	228	23	88	79	9
Mining and mineral engineering	462	432	30	92	88	4	10	10	0
Naval architecture and marine engineering	595	567	28	101	95	6	9	9	0
Nuclear engineering	401	355	46	290	271	19	85	82	3
Ocean engineering	130	109	21	85	80	5	24	24	0
Petroleum engineering	1,719	1,501	218	265	248	17	24	24	0
Systems engineering	263	184	79	143	121	22	20	19	1
Textile sciences and engineering	29	18	11	8	7	1	4	4	0
Engineering, other	2,018	1,669	349	945	832	113	106	92	14
Engineering-related technologies, total	18,762	17,343	1,419	650	583	67	9	8	1
Architectural engineering technologies	1,069	987	82	15	15	0	0	0	0
Civil engineering/ civil technologies	649	599	50	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	4,874	4,617	257	10	10	0	0	0	0
Electromechanical instrumentation and maintenance technologies	189	181	8	14	12	2	0	0	0
Environmental control technologies	125	94	31	26	23	3	0	0	0
Industrial production technologies	4,784	4,349	435	320	292	28	1	1	0
Quality control and safety technologies	213	177	36	88	81	7	0	0	0
Mechanical engineering-related technologies	2,844	2,701	143	3	3	0	0	0	0
Mining and petroleum engineering technologies	119	110	9	2	2	0	0	0	0
Surveying	93	79	14	19	18	1	0	0	0
Mechanics and repairers	170	160	10	0	0	0	0	0	0
Construction trades	14	14	0	24	20	4	0	0	0
Engineering-related technologies/technicians, other	3,619	3,275	344	129	107	22	8	7	1
English language and literature/letters, total	33,218	11,334	21,884	5,187	1,786	3,401	1,041	470	571
English language and literature, general	23,572	7,742	15,830	3,640	1,246	2,394	698	314	384
Comparative literature	532	139	393	200	63	137	126	56	70
English composition	68	30	38	14	5	9	1	0	1
English creative writing	427	178	249	357	150	207	1	0	1
American literature (United States)	43	18	25	5	1	4	1	0	1
English literature (British and Commonwealth)	1,321	501	820	226	65	161	73	31	42
Speech and rhetorical studies	6,287	2,396	3,891	610	208	402	108	58	50
English technical and business writing	190	65	125	15	6	9	0	0	0
English language and literature/letters, other	778	265	513	120	42	78	33	11	22
Foreign languages and literatures, total	10,827	2,979	7,848	2,471	837	1,634	635	286	349
Foreign languages and literatures, total	1,150	322	828	816	276	540	209	97	112
Foreign languages and literatures, general	660	182	478	183	52	131	54	20	34
Linguistics	490	140	350	633	224	409	155	77	78
East and southeast asian languages and literatures, total	263	122	141	51	25	26	19	9	10
Chinese	97	42	55	21	10	11	3	2	1
Japanese	116	48	68	8	3	5	3	1	2
East and southeast asian languages, other	50	32	18	22	12	10	13	6	7
East european languages and literatures, total	500	208	292	114	43	71	28	14	14
Russian	432	180	252	47	17	30	6	3	3
Slavic languages (other than Russian)	59	24	35	64	24	40	21	10	11
East european languages, other	9	4	5	3	2	1	1	1	0
Germanic languages, total	1,465	535	930	259	100	159	63	28	35
German	1,411	515	896	240	94	146	58	24	34
Scandinavian languages	29	13	16	6	2	4	0	0	0
Germanic languages, other	25	7	18	13	4	9	5	4	1
South asian languages and literatures	0	0	0	5	1	4	6	2	4
Romance languages and literatures, total	6,705	1,445	5,260	956	257	699	209	76	133
French	2,991	545	2,446	385	81	304	74	24	50
Italian	190	46	144	44	19	25	9	6	3
Portuguese	29	10	19	8	3	5	2	1	1
Spanish	3,415	830	2,585	505	150	355	115	41	74
Romance languages, other	80	14	66	14	4	10	9	4	5
Middle eastern languages and literatures, total	82	37	45	43	25	18	8	7	1
Arabic	6	3	5	4	2	2	0	0	0
Hebrew	71	31	40	23	12	11	4	4	0
Middle eastern languages, other	3	3	0	16	11	5	4	3	1

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	509	256	253	143	68	75	44	26	18
Classics and classical languages	383	189	194	114	54	60	43	25	18
Greek (ancient and medieval)	50	28	22	6	4	2	1	1	0
Latin (ancient and medieval)	76	39	37	23	10	13	0	0	0
Foreign languages and literatures, other	153	54	99	84	42	42	49	27	22
Health professions and related sciences, total	64,422	9,741	54,681	17,385	4,119	13,266	1,199	565	634
Chiropractic	41	32	9	12	4	8	0	0	0
Communication disorders sciences and services	2,526	132	2,394	2,838	156	2,682	92	37	55
Community health liason	208	38	170	338	85	253	11	5	6
Dentistry specialties	141	111	30	426	338	88	4	3	1
Dental services	942	20	922	23	1	22	0	0	0
Health and medical administrative services, total	3,190	677	2,513	2,386	1,007	1,379	24	11	13
Health care and services administration	2,138	584	1,554	1,967	882	1,085	19	9	10
Medical records administration	619	45	574	0	0	0	0	0	0
Health and medical administrative services, other	433	48	385	419	125	294	5	2	3
Health and medical assistants, total	576	259	317	44	15	29	0	0	0
Medical assistant	1	0	1	11	7	4	0	0	0
Physician assistant	575	259	316	33	8	25	0	0	0
Health and medical diagnostic and treatment services, total	867	318	549	53	41	12	1	1	0
Respiratory therapy technology/technician	255	93	162	3	3	0	0	0	0
Health and medical diagnostic and treatment services, other	612	225	387	50	38	12	1	1	0
Health and medical laboratory technologies/technicians, total	4,406	865	3,541	1,264	496	768	116	53	63
Medical technology	1,492	277	1,215	105	25	80	0	0	0
Health and medical laboratory technologies/technicians, other	2,914	588	2,326	1,159	471	688	116	53	63
Health and medical preparatory programs, total	1,032	692	340	0	0	0	0	0	0
Pre-dentistry studies	151	127	24	0	0	0	0	0	0
Pre-medicine studies	707	476	231	0	0	0	0	0	0
Pre-pharmacy studies	3	0	3	0	0	0	0	0	0
Pre-veterinary studies	171	89	82	0	0	0	0	0	0
Medicine	216	56	160	239	149	90	126	84	42
Medical basic sciences	108	50	58	187	112	75	69	52	17
Mental health services, total	306	57	249	250	80	170	8	2	6
Alcohol/drug abuse counseling	33	7	26	28	9	19	0	0	0
Psychiatric/mental health services technician	75	9	66	60	20	40	0	0	0
Clinical and medical social work	41	8	33	54	10	44	0	0	0
Mental health services, other	157	33	124	108	41	67	8	2	6
Nursing	34,473	1,976	32,497	5,821	461	5,360	273	27	246
Optometry	255	168	87	5	3	2	0	0	0
Osteopathic medicine	3	2	1	0	0	0	0	0	0
Pharmacy	5,011	2,343	2,668	282	175	107	147	100	47
Epidemiology	0	0	0	116	58	58	50	16	34
Rehabilitative/therapeutic services, total	5,865	882	4,983	1,518	315	1,203	23	11	12
Art therapy	58	3	55	155	14	141	0	0	0
Dance therapy	4	0	4	34	1	33	0	0	0
Music therapy	280	31	249	22	2	20	0	0	0
Occupational therapy	1,853	112	1,741	309	21	288	1	0	1
Orthotics/prosthetics	15	11	4	0	0	0	0	0	0
Physical therapy	3,129	626	2,503	400	114	286	2	2	0
Recreational therapy	160	32	128	13	3	10	1	0	1
Vocational rehabilitation counseling	151	30	121	504	134	370	12	6	6
Rehabilitative services, other	215	37	178	81	26	55	7	3	4
Veterinary medicine	203	107	96	130	89	41	126	83	43
Miscellaneous health professions	510	46	464	290	23	267	3	1	2
Health professions and related sciences, other	3,543	910	2,633	1,163	511	652	126	79	47
Home economics and vocational home economics, total	15,157	993	14,164	2,375	279	2,096	273	78	195
Home economics, total	14,031	732	13,299	2,264	258	2,006	267	75	192
Home economics, general	4,043	144	3,899	597	16	581	70	12	58
Business home economics	154	8	146	0	0	0	0	0	0
Family and community studies	184	14	170	13	2	11	0	0	0
Family and consumer resource management	565	61	504	54	10	44	15	4	11
Food and nutrition studies	3,277	215	3,062	786	81	705	69	25	44
Housing studies	696	54	642	45	6	39	2	0	2
Individual and family development studies	2,078	120	1,958	629	135	494	92	31	61
Clothing/apparel and textile studies	2,818	99	2,719	118	4	114	19	3	16
Home economics, other	216	17	199	22	4	18	0	0	0
Vocational home economics, total	1,126	261	865	111	21	90	6	3	3
Consumer and homemaking education	542	27	515	50	10	40	6	3	3
Custodial, housekeeping and home services workers and managers	222	88	134	19	2	17	0	0	0
Vocational home economics, other	362	146	216	42	9	33	0	0	0
Law and legal studies, total	1,157	449	708	1,796	1,377	419	105	88	17
Law, general	231	108	123	1,354	1,047	307	103	86	17
Pre-law studies	278	179	99	0	0	0	0	0	0
Paralegal/legal assistant	368	67	301	1	1	0	0	0	0
Law and legal studies, other	280	95	185	441	329	112	2	2	0
Liberal arts and sciences, general studies, and humanities, total	21,818	9,507	12,311	1,696	637	1,059	112	56	56

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, total	17,033	8119	8914	1,532	561	971	99	48	51
Liberal arts and sciences/liberal studies	14,406	7,183	7,223	1,016	373	643	40	20	20
Humanities/humanistic studies	2,627	936	1,691	516	188	328	59	28	31
Liberal arts and sciences, general studies, other	4,785	1,388	3,397	164	76	88	13	8	5
Library science, total	197	23	174	3,870	753	3,117	87	39	48
Library science/librarianship	192	21	171	3,851	746	3,105	72	31	41
Library science, other	5	2	3	19	7	12	15	8	7
Mathematics, total	15,861	8,537	7,324	3,413	2,289	1,124	734	620	114
Mathematics	12,975	6,889	6,086	1,892	1,186	706	471	402	69
Applied mathematics, total	1,700	940	760	838	635	203	93	77	16
Applied mathematics, general	848	483	365	284	204	80	58	47	11
Operations research	852	457	395	554	431	123	35	30	5
Pure mathematics	98	60	38	27	15	12	13	11	2
Mathematical statistics	371	220	151	490	325	165	137	112	25
Mathematics, other	717	428	289	166	128	38	20	18	2
Multi/interdisciplinary studies, total	12,978	6,576	6,402	2,583	1,618	965	219	145	74
Biological and physical sciences	2,416	1,438	978	254	148	106	16	11	5
Systems science and theory	31	18	13	876	750	126	8	7	1
Museology/museum studies	4	2	2	23	5	18	0	0	0
Multi/interdisciplinary studies, other	10,527	5,118	5,409	1,430	715	715	195	127	68
Parks, recreation, leisure, and fitness studies total	4,725	1,792	2,933	596	267	329	36	23	13
Parks, recreation and leisure studies	2,127	750	1,377	257	105	152	20	11	9
Parks, recreation and leisure facilities management	2,254	879	1,375	228	97	131	6	4	2
Health and physical education/fitness	132	53	79	52	26	26	0	0	0
Parks, recreation, leisure and fitness studies, other	212	110	102	59	39	20	10	8	2
Philosophy and religion, total	6,400	4,244	2,156	1,167	701	466	468	377	91
Philosophy	3,354	2,269	1,085	431	316	115	234	191	43
Religion/religious studies	2,763	1,778	985	677	352	325	214	168	46
Philosophy and religion, other	283	197	86	59	33	26	20	18	2
Physical sciences and science technologies, total	23,704	17,069	6,635	5,796	4,452	1,344	3,403	2,851	552
Physical sciences, total	23,626	17,036	6,590	5,785	4,444	1,341	3,390	2,838	552
Physical sciences, general	572	415	157	83	62	21	14	11	3
Astronomy	90	71	19	70	56	14	50	44	6
Astrophysics	21	18	3	21	20	1	9	8	1
Atmospheric science and meteorology	414	346	68	236	196	40	70	64	6
Chemistry, total	10,482	6,691	3,791	1,719	1,162	557	1,789	1,438	351
Chemistry, general	10,196	6,506	3,690	1,598	1,080	518	1,631	1,311	320
Analytical chemistry	0	0	0	7	5	2	9	8	1
Inorganic chemistry	0	0	0	1	1	0	11	9	2
Organic chemistry	1	1	0	5	2	3	21	18	3
Medicinal/pharmaceutical chemistry	10	4	6	44	27	17	54	43	11
Chemistry, other	275	180	95	64	47	17	63	49	14
Geological and related sciences, total	6,308	4,750	1,558	1,692	1,283	409	289	234	55
Geology	5,902	4,440	1,462	1,489	1,135	354	220	178	42
Geochemistry	8	5	3	3	2	1	7	5	2
Geophysics and seismology	226	179	47	107	81	26	39	33	6
Geological sciences, other	172	126	46	93	65	28	23	18	5
Miscellaneous physical sciences, total	969	716	253	317	233	84	138	108	30
Metallurgy	1	0	1	37	36	1	12	11	1
Oceanography	190	150	40	121	84	37	62	43	19
Earth science	688	491	197	114	78	36	46	38	8
Miscellaneous physical sciences, other	90	75	15	45	35	10	18	16	2
Physics, total	4,097	3,538	559	1,523	1,333	190	951	867	84
Physics, general	3,988	3,443	545	1,445	1,268	177	874	797	77
Physics, other	109	95	14	78	65	13	77	70	7
Physical sciences, other	673	491	182	124	99	25	80	64	16
Science technologies, total	78	33	45	11	8	3	13	13	0
Precision production trades, total	553	357	196	4	3	1	0	0	0
Drafting, general	278	227	51	0	0	0	0	0	0
Precision production trades, other	275	130	145	4	3	1	0	0	0
Protective services, total	12,510	7,694	4,816	1,235	850	385	33	27	6
Criminal justice, total	12,211	7,462	4,749	1,196	823	373	33	27	6
Corrections/correctional administration	619	287	332	133	83	50	0	0	0
Criminal justice/law enforcement administration	3,365	2,082	1,283	347	250	97	3	2	1
Criminal justice studies	6,063	3,642	2,421	579	408	171	30	25	5
Forensic technology/technician	91	47	44	33	22	11	0	0	0
Law enforcement/police science	1,384	984	400	60	36	24	0	0	0
Criminal justice and corrections, other	689	420	269	44	24	20	0	0	0
Fire protection	136	134	2	0	0	0	0	0	0
Protective services, other	163	98	65	39	27	12	0	0	0
Psychology, total	39,900	12,706	27,194	9,891	3,452	6,439	3,447	1,739	1,708
Psychology, general	37,254	11,846	25,408	4,116	1,509	2,607	1,638	873	765
Clinical psychology	95	35	60	703	267	436	784	374	410
Counseling psychology	107	27	80	1,925	609	1,316	162	84	78
Developmental and child psychology	317	30	287	149	45	104	52	23	29
Experimental psychology	152	57	95	29	17	12	58	34	24
Industrial and organizational psychology	93	29	64	321	171	150	23	13	10

Table 30.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1984–85—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	147	68	79	1	1	0	13	10	3
Social psychology	393	155	238	150	57	93	35	14	21
School psychology	89	12	77	1,483	408	1,075	539	247	292
Psychology, other	1,253	447	806	1,014	368	646	143	67	76
Public administration and services, total	11,754	2,829	8,925	15,575	5,573	10,002	431	213	218
Community organization, resources and services	797	214	583	327	156	171	13	4	9
Public administration	2,528	1,296	1,232	5,674	3,369	2,305	142	99	43
Public policy analysis	170	68	102	328	194	134	26	17	9
Social work	8,022	1,156	6,866	8,846	1,707	7,139	244	90	154
Public administration and services, other	237	95	142	400	147	253	6	3	3
R.O.T.C. and military technologies, total	299	273	26	119	118	1	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	298	272	26	68	67	1	0	0	0
Military technologies, total	1	1	0	51	51	0	0	0	0
Social sciences and history, total	91,570	51,226	40,344	10,503	6,475	4,028	2,851	1,933	918
Social sciences, general	4,268	1,805	2,463	520	290	230	40	30	10
Anthropology	2,625	995	1,630	742	313	429	343	174	169
Archeology	49	20	29	29	12	17	7	4	3
Criminology	1,109	629	480	58	36	22	3	1	2
Demography and population studies	36	8	28	22	14	8	5	3	2
Economics	20,711	13,562	7,149	1,992	1,508	484	749	627	122
Geography, total	3,127	2120	1007	564	382	182	134	103	31
Geography	3,100	2,100	1,000	562	380	182	134	103	31
Cartography	27	20	7	2	2	0	0	0	0
History	16,049	10,076	5,973	1,921	1,120	801	468	304	164
International relations and affairs	3,354	1,570	1,784	1,471	970	501	65	54	11
Political science and government, general	25,834	15,640	10,194	1,500	1,062	438	441	326	115
Sociology	11,968	3,701	8,267	1,022	456	566	480	232	248
Urban affairs/studies	563	277	286	365	190	175	34	22	12
Social sciences and history, other	1,877	823	1,054	297	122	175	82	53	29
Theological studies and religious vocations, total	6,047	4,411	1,636	4,435	2,881	1,554	1,144	1,039	105
Biblical and other theological languages and literatures	77	68	9	37	32	5	0	0	0
Bible/biblical studies	2,184	1,712	472	226	169	57	8	8	0
Missions/missionary studies and missiology	206	132	74	144	108	36	44	42	2
Religious education	1,206	636	570	903	424	479	18	13	5
Religious/sacred music	291	156	135	148	95	53	8	6	2
Theological and ministerial studies	1,541	1,321	220	1,988	1,429	559	849	766	83
Pastoral counseling and specialized ministries	8	8	0	83	35	48	4	3	1
Theological studies and religious vocations, other	534	378	156	906	589	317	213	201	12
Transportation and material moving workers, total	1,962	1765	197	295	282	13	0	0	0
Transportation and material moving, other	1,962	1,765	197	295	282	13	0	0	0
Visual and performing arts, total	38,140	14,462	23,678	8,718	3,894	4,824	696	407	289
Visual and performing arts, general	1,494	511	983	220	81	139	4	3	1
Crafts, folk art and artisanry	190	53	137	10	6	4	0	0	0
Dance	730	78	652	236	27	209	6	0	6
Design and applied art	5,098	1,799	3,299	275	133	142	3	0	3
Dramatic/theater arts and stagecraft	4,997	2,124	2,873	1,175	571	604	83	46	37
Film/video and photographic arts, total	1,632	956	676	316	203	113	5	3	2
Film-video making/cinematography and production	596	380	216	203	136	67	4	3	1
Photography	677	345	332	84	52	32	1	0	1
Film/video and photographic arts, other	359	231	128	29	15	14	0	0	0
Fine arts and art studies, total	15,279	4,835	10,444	2,870	1,106	1,764	161	54	107
Art, general	9,833	3,165	6,668	1,564	637	927	35	12	23
Art history,criticism and conservation	1,694	337	1,357	411	102	309	105	35	70
Arts management	100	23	77	67	14	53	1	0	1
Painting	849	309	540	200	89	111	1	1	0
Ceramic arts and ceramics	91	31	60	25	10	15	0	0	0
Fiber, textile and weaving arts	96	9	87	14	2	12	0	0	0
Metal and jewelry arts	39	6	33	7	4	3	0	0	0
Fine arts and art studies, other	2,577	955	1,622	582	248	334	19	6	13
Graphic arts technology	180	79	101	16	5	11	0	0	0
Music, total	7,613	3,612	4,001	3,533	1,723	1,810	432	299	133
Music, general	3,919	1,772	2,147	1,418	696	722	205	142	63
Music history and literature	130	51	79	59	22	37	19	11	8
Music, general performance	2,615	1,226	1,389	1,651	774	877	133	86	47
Music theory and composition	297	196	101	160	102	58	51	41	10
Music, other	652	367	285	245	129	116	24	19	5
Visual and performing arts, other	927	415	512	67	39	28	2	2	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1984–85" survey. (This table was prepared September, 1993.)

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**987,823**	**485,923**	**501,900**	**288,567**	**143,508**	**145,059**	**33,653**	**21,819**	**11,834**
Agriculture and natural resources, total	16,823	11,544	5,279	3,801	2,701	1,100	1,158	966	192
Agricultural business and production, total	5,813	4,380	1,433	832	647	185	191	173	18
Agricultural business and management, total	4,336	3,384	952	682	551	131	171	155	16
Agricultural business and management, general	538	404	134	80	64	16	7	6	1
Agricultural business/agribusiness operations	1,380	1,116	264	38	33	5	0	0	0
Agricultural economics	2,144	1,648	496	551	441	110	164	149	15
Agricultural business and management, other	274	216	58	13	13	0	0	0	0
Agricultural mechanization	287	286	1	10	10	0	0	0	0
Agricultural production workers and managers	136	98	38	29	23	6	2	2	0
Horticulture services operations and management	452	265	187	35	21	14	4	4	0
International agriculture	16	12	4	8	6	2	0	0	0
Agricultural business and production, other	586	335	251	68	36	32	14	12	2
Agricultural sciences, total	7,707	4,797	2,910	1,992	1,353	639	773	638	135
Agriculture/agricultural sciences, general	1,364	971	393	239	180	59	0	0	0
Animal sciences, total	3,554	1,946	1,608	572	384	188	197	157	40
Animal sciences, general	3,081	1,662	1,419	416	280	136	141	113	28
Agricultural animal breeding and genetics	0	0	0	14	10	4	8	7	1
Agricultural animal health	19	4	15	18	7	11	6	4	2
Agricultural animal nutrition	0	0	0	12	8	4	8	8	0
Dairy science	208	146	62	42	29	13	11	9	2
Poultry science	94	72	22	33	24	9	12	8	4
Animal sciences, other	152	62	90	37	26	11	11	8	3
Food sciences and technology	537	264	273	253	137	116	101	73	28
Plant sciences, total	2,027	1,465	562	777	545	232	390	335	55
Plant sciences, general	326	213	113	92	67	25	19	16	3
Agronomy and crop science	781	656	125	357	271	86	211	190	21
Horticulture science	693	421	272	183	107	76	63	48	15
Plant breeding and genetics	8	8	0	24	16	8	39	32	7
Agricultural plant pathology	2	2	0	16	9	7	20	15	5
Plant protection (pest management)	40	32	8	26	13	13	2	2	0
Range science and management	137	104	33	66	54	12	34	30	4
Plant sciences, other	40	29	11	13	8	5	2	2	0
Soil sciences	167	123	44	129	89	40	77	68	9
Agriculture/agricultural sciences, other	58	28	30	22	18	4	8	5	3
Conservation and renewable natural resources, total	3,303	2,367	936	977	701	276	194	155	39
Natural resources conservation, general	942	570	372	217	139	78	36	27	9
Natural resources management and policy	179	111	68	0	0	0	0	0	0
Fishing and fisheries sciences and management	179	149	30	114	83	31	27	18	9
Forestry production and processing technology/technician	185	157	28	27	25	2	15	11	4
Forestry, general	1,113	891	222	464	333	131	95	83	12
Wildlife and wildlands management	586	419	167	114	91	23	15	11	4
Conservation and renewable natural resources, other	119	70	49	41	30	11	6	5	1
Architecture and related programs, total	9,119	5,824	3,295	3,260	2,129	1,131	73	56	17
Architecture	5,149	3,875	1,274	1,765	1,266	499	19	17	2
City/urban, community, and regional planning	323	240	83	861	528	333	50	37	13
Architectural environmental design	810	496	314	49	24	25	2	2	0
Interior architecture	1,474	204	1,270	25	8	17	0	0	0
Landscape architecture	735	495	240	310	152	158	0	0	0
Architectural urban design and planning	1	0	1	64	46	18	0	0	0
Architecture and related programs, other	627	514	113	186	105	81	2	0	2
Area, ethnic, and cultural studies, total	3,178	1,264	1,914	945	490	455	159	89	70
Area studies, total	2,488	980	1,508	772	410	362	121	70	51
African studies	91	43	48	18	8	10	7	4	3
American studies/civilization	907	325	582	184	85	99	64	34	30
Latin American studies	244	77	167	133	64	69	2	2	0
Middle Eastern studies	55	33	22	82	55	27	12	7	5
Russian and Slavic studies	218	112	106	94	57	37	3	2	1
Asian studies	538	252	286	154	85	69	24	15	9
European studies	193	60	133	68	47	21	0	0	0
Area studies, other	242	78	164	39	9	30	9	6	3
Ethnic and cultural studies, total	532	225	307	101	46	55	14	6	8
Afro-American (black) studies	156	60	96	21	13	8	2	1	1
Hispanic-American studies	49	20	29	20	10	10	0	0	0
Women's studies	118	4	114	18	1	17	2	0	2
Ethnic and cultural studies, other	209	141	68	42	22	20	10	5	5
Area, ethnic and cultural studies, other	158	59	99	72	34	38	24	13	11
Biological sciences/life sciences, total	38,524	19,993	18,531	5,013	2,616	2,397	3,358	2,229	1,129
Biology, general	27,618	14,135	13,483	2,173	1,131	1,042	574	382	192
Biochemistry and biophysics	2,109	1,242	867	279	165	114	468	306	162
Botany, total	296	153	143	304	157	147	267	197	70
Botany, general	273	140	133	212	116	96	155	108	47
Plant pathology	17	10	7	78	32	46	84	73	11
Botany, other	6	3	3	14	9	5	28	16	12
Cell and molecular biology, total	607	357	250	82	45	37	196	122	74
Cell biology	61	32	29	17	10	7	61	40	21

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	341	192	149	47	23	24	107	68	39
Cell and molecular biology, other	205	133	72	18	12	6	28	14	14
Microbiology/ bacteriology	2,217	1,084	1,133	353	186	167	336	220	116
Miscellaneous biological specializations, total	1,596	799	797	927	391	536	542	315	227
Anatomy	13	4	9	76	43	33	77	53	24
Ecology	478	280	198	208	125	83	68	53	15
Marine biology	281	174	107	53	37	16	18	12	6
Neurosciences	75	50	25	21	14	7	53	37	16
Nutritional sciences	265	49	216	244	36	208	89	30	59
Toxicology	85	46	39	51	25	26	40	26	14
Genetics, plant and animal	206	105	101	108	33	75	95	48	47
Biometrics and biostatistics	12	6	6	66	27	39	42	24	18
Miscellaneous biological specializations, other	181	85	96	100	51	49	60	32	28
Zoology, total	2,940	1,599	1,341	723	446	277	844	604	240
Zoology, general	2,395	1,330	1,065	289	172	117	201	141	60
Entomology	92	67	25	166	116	50	168	146	22
Pathology, human and animal	14	5	9	45	24	21	97	64	33
Pharmacology, human and animal	32	15	17	60	31	29	199	131	68
Physiology, human and animal	406	181	225	163	103	60	173	120	53
Zoology, other	1	1	0	0	0	0	6	2	4
Biological sciences/life sciences, other	1,141	624	517	172	95	77	131	83	48
Business management and administrative services and marketing operations/marketing and distribution, total	237,319	128,780	108,539	66,689	45,938	20,751	934	729	205
Business management and administrative services, total	233,893	127,424	106,469	66,619	45,891	20,728	930	729	201
Business, general	42,501	23,394	19,107	11,128	7,773	3,355	195	151	44
Business administration and management, total	68,843	37,998	30,845	36,392	25,399	10,993	433	350	83
Office supervision and management	1,336	104	1,232	1	0	1	0	0	0
Operations management and supervision	701	543	158	85	77	8	0	0	0
Business administration and management, other	66,806	37,351	29,455	36,306	25,322	10,984	433	350	83
Accounting	45,885	22,771	23,114	3,141	1,919	1,222	53	38	15
Administrative and secretarial services	777	25	752	0	0	0	0	0	0
Business/managerial economics	3,651	2,407	1,244	234	176	58	44	37	7
Enterprise management and operation	103	62	41	4	2	2	0	0	0
Financial management and services, total	23,375	15244	8131	5,056	3597	1459	56	50	6
Finance, general	22,483	14,692	7,791	4,872	3,464	1,408	53	48	5
Actuarial sciences	184	102	82	28	19	9	0	0	0
Insurance and risk management	451	296	155	38	25	13	3	2	1
Investments and securities	257	154	103	118	89	29	0	0	0
Hospitality services management	4,424	2,502	1,922	252	174	78	1	0	1
Human resources management, total	4,101	1955	2146	1,634	852	782	42	30	12
Human resources management	2,479	1,149	1,330	915	479	436	5	2	3
Labor/personnel relations and studies	1,205	601	604	593	316	277	16	13	3
Organizational behavior studies	417	205	212	126	57	69	21	15	6
International business	1,043	451	592	1,637	1,090	547	12	9	3
Business information systems, total	4,492	2539	1953	996	740	256	5	3	2
Management information systems and data processing, general	3,205	1,812	1,393	995	739	256	5	3	2
Business information systems, other	1,287	727	560	1	1	0	0	0	0
Quantitative methods and management science, total	1,478	877	601	268	205	63	15	12	3
Business statistics	141	79	62	13	11	2	11	9	2
Management science, other	1,337	798	539	255	194	61	4	3	1
Marketing management and research	27,804	13,978	13,826	1,770	986	784	25	14	11
Real estate	865	648	217	188	138	50	1	1	0
Taxation	19	18	1	1,083	789	294	0	0	0
Consumer and personal services	219	128	91	6	1	5	0	0	0
Business management and administrative services, other	4,313	2,427	1,886	2,830	2,050	780	48	34	14
Marketing operations/marketing and distribution, total	3,426	1,356	2,070	70	47	23	4	0	4
Apparel and accessories marketing operations	871	33	838	1	0	1	4	0	4
Business and personal services marketing operations	739	403	336	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	1,111	588	523	42	29	13	0	0	0
Tourism and travel services marketing operations	199	58	141	14	10	4	0	0	0
Marketing operations/marketing and distribution, other	506	274	232	13	8	5	0	0	0
Communications and communications technologies, total	43,076	17,639	25,437	3,823	1,610	2,213	223	116	107
Communications, total	41,666	16,887	24,779	3,500	1,405	2,095	212	111	101
Communications, general	18,504	7,152	11,352	1,452	565	887	158	74	84
Advertising	2,677	974	1,703	136	46	90	3	2	1
Journalism and mass communications, total	11,495	4,315	7,180	1,142	456	686	27	20	7
Journalism	10,402	3,828	6,574	1,128	449	679	27	20	7
Broadcast journalism	1,093	487	606	14	7	7	0	0	0
Public relations and organizational communications	1,215	363	852	78	28	50	0	0	0
Radio and television broadcasting	6,140	3,403	2,737	298	166	132	11	8	3
Communications, other	1,635	680	955	394	144	250	13	7	6
Communications technologies, total	1,410	752	658	323	205	118	11	5	6
Photographic technology/technician	19	13	6	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,269	662	607	192	117	75	6	5	1
Communications technologies/technicians, other	122	77	45	131	88	43	5	0	5
Computer and information sciences, total	41,889	26,923	14,966	8,070	5,658	2,412	344	299	45

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	34,072	22,285	11,787	6,813	4,881	1,932	332	291	41
Computer programming	340	262	78	14	8	6	0	0	0
Data processing technology/technician	1,067	602	465	35	20	15	0	0	0
Information science and systems	4,305	2,465	1,840	893	526	367	3	1	2
Computer systems analysis	487	289	198	96	59	37	0	0	0
Computer and information sciences, other	1,618	1,020	598	219	164	55	9	7	2
Education, total	87,114	20,959	66,155	74,801	20,295	54,506	6,605	3,088	3,517
Education, general	1,694	364	1,330	8,038	2,119	5,919	1,093	463	630
Bilingual/bicultural education	95	8	87	327	73	254	13	6	7
Curriculum and instruction	434	20	414	3,237	713	2,524	678	263	415
Education administration and supervision, total	51	4	47	10,296	4,917	5,379	2,108	1,102	1,006
Education administration and supervision, general	2	0	2	6,659	3,277	3,382	1,406	767	639
Administration of special education	3	0	3	24	6	18	51	17	34
Adult and continuing education administration	0	0	0	80	24	56	25	8	17
Educational supervision	1	0	1	863	303	560	35	11	24
Elementary and secondary education administration	35	3	32	1,420	757	663	100	52	48
Higher education administration	1	1	0	300	108	192	397	192	205
Community and junior college administration	0	0	0	94	36	58	14	8	6
Educational administration and supervision, other	9	0	9	856	406	450	80	47	33
Educational/instructional media design	30	10	20	948	286	662	54	23	31
Educational evaluation, research and statistics, total	7	0	7	202	77	125	142	66	76
Educational evaluation and research, general	7	0	7	79	32	47	63	30	33
Educational statistics and research methods	0	0	0	31	19	12	45	21	24
Educational assessment, testing, and measurement	0	0	0	92	26	66	34	15	19
Social and philosophical foundations of education	0	0	0	221	79	142	132	52	80
Special education, total	8,206	540	7,666	9,311	1,079	8,232	245	86	159
Special education, general	5,165	346	4,819	6,894	836	6,058	201	75	126
Education of the deaf and hearing impaired	231	11	220	221	25	196	2	0	2
Education of the gifted and talented	3	0	3	158	12	146	3	0	3
Education of the emotionally handicapped	280	26	254	228	37	191	2	0	2
Education of the mentally handicapped	742	65	677	182	27	155	4	0	4
Education of the multiple handicapped	58	5	53	97	9	88	0	0	0
Education of the physically handicapped	49	6	43	45	5	40	1	0	1
Education of the blind and visually handicapped	31	1	30	74	12	62	0	0	0
Education of the specific learning disabled	427	25	402	785	72	713	21	7	14
Education of the speech impaired	753	24	729	299	10	289	1	1	0
Special education, other	467	31	436	328	34	294	10	3	7
Counselor education/counseling and guidance services	122	23	99	9,314	2,362	6,952	417	215	202
General teacher education, total	43,075	4,063	39,012	16,161	2,676	13,485	477	186	291
Adult and continuing education	204	29	175	767	207	560	126	55	71
Elementary education	34,725	2,579	32,146	9,550	894	8,656	110	26	84
Junior high/intermediate/middle school education	570	100	470	406	51	355	3	2	1
Pre-elementary/early childhood/kindergarten education	4,113	81	4,032	1,318	35	1,283	33	4	29
Secondary education	3,219	1,254	1,965	3,210	1,215	1,995	121	57	64
General teacher education	244	20	224	910	274	636	84	42	42
Teacher education, academic and vocational programs, total	32,260	15,519	16,741	13,927	4,913	9,014	944	509	435
Agricultural education (vocational)	713	577	136	311	253	58	26	22	4
Art education	1,070	230	840	511	136	375	39	17	22
Business education (vocational)	2,134	411	1,723	604	122	482	34	16	18
Driver and safety education	63	52	11	74	62	12	0	0	0
English education	1,005	186	819	383	75	308	28	8	20
Foreign languages education	197	40	157	131	50	81	19	10	9
Health education	1,412	348	1,064	712	153	559	79	27	52
Home economics education (vocational)	866	6	860	202	4	198	8	1	7
Technology/industrial arts education	2,360	2,091	269	648	510	138	53	36	17
Marketing operations/marketing and distribution (vocational)	231	83	148	29	15	14	3	2	1
Mathematics education	1,259	493	766	444	153	291	32	16	16
Music education	3,330	1,415	1,915	862	368	494	80	52	28
Physical education and coaching	12,811	6,718	6,093	3,439	1,729	1,710	222	136	86
Reading education	127	10	117	3,209	202	3,007	99	23	76
Science education	1,052	465	587	508	207	301	51	34	17
Social science education	518	317	201	155	62	93	8	6	2
Social studies education	874	538	336	144	67	77	11	8	3
Technical education (vocational)	220	171	49	171	95	76	25	12	13
Trade and industrial education (vocational)	1,493	1,161	332	691	412	279	71	46	25
Teacher education, academic and vocational programs, other	525	207	318	699	238	461	56	37	19
Teaching English as a second language	23	5	18	557	155	402	10	1	9
Education, other	1,117	403	714	2,262	846	1,416	292	116	176
Engineering and engineering-related technologies, total	95,660	83,117	12,543	21,657	19,165	2,492	3,410	3,181	229
Engineering, total	76,225	65,194	11,031	21,040	18,647	2,393	3,398	3,170	228
Engineering, general	2,886	2,379	507	1,191	1,068	123	261	247	14
Aerospace, aeronautical, and astronautical engineering	2,902	2,654	248	621	578	43	112	110	2
Agricultural engineering	737	660	77	156	142	14	43	42	1
Architectural engineering	377	319	58	52	49	3	6	6	0
Bioengineering and biomedical engineering	607	399	208	286	212	74	57	50	7
Ceramic sciences and engineering	285	192	93	105	85	20	26	22	4

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Chemical engineering	5,877	4,425	1,452	1,361	1,147	214	446	396	50
Civil engineering, general	8,679	7,538	1,141	2,926	2,626	300	395	366	29
Computer engineering	2,192	1,839	353	612	529	83	56	55	1
Electrical, electronics, and communications engineering	23,742	20,906	2,836	5,534	4,978	556	722	683	39
Engineering mechanics	307	274	33	180	163	17	79	78	1
Engineering physics	376	320	56	72	70	2	26	26	0
Engineering science	319	247	72	188	165	23	31	29	2
Environmental/environmental health engineering	118	93	25	301	231	70	22	20	2
Geological engineering	287	240	47	56	51	5	2	2	0
Geophysical engineering	96	83	13	3	3	0	1	1	0
Industrial/manufacturing engineering	4,162	2,902	1,260	1,653	1,374	279	130	111	19
Materials engineering	436	300	136	394	333	61	165	144	21
Mechanical engineering	16,194	14,525	1,669	3,075	2,838	237	426	415	11
Metallurgical engineering	536	430	106	284	232	52	102	95	7
Mining and mineral engineering	342	323	19	95	85	10	19	17	2
Naval architecture and marine engineering	487	466	21	63	61	2	12	12	0
Nuclear engineering	413	366	47	260	242	18	74	70	4
Ocean engineering	133	115	18	89	86	3	37	33	4
Petroleum engineering	1,459	1,322	137	274	248	26	32	31	1
Systems engineering	231	154	77	186	155	31	14	14	0
Textile sciences and engineering	26	21	5	4	4	0	3	3	0
Engineering, other	2,019	1,702	317	1,019	892	127	99	92	7
Engineering-related technologies, total	19,435	17,923	1,512	617	518	99	12	11	1
Architectural engineering technologies	881	818	63	0	0	0	0	0	0
Civil engineering/civil technologies	593	552	41	0	0	0	0	0	0
Electrical and electronic-related technologies	4,666	4,369	297	26	24	2	0	0	0
Electromechanical instrumentation and maintenance technologies	58	51	7	10	9	1	2	2	0
Environmental control technologies	155	118	37	54	32	22	0	0	0
Industrial production technologies	4,834	4,418	416	302	263	39	0	0	0
Quality control and safety technologies	172	138	34	78	63	15	0	0	0
Mechanical engineering-related technologies	2,570	2,406	164	0	0	0	0	0	0
Mining and petroleum engineering technologies	116	106	10	3	2	1	8	7	1
Surveying	123	107	16	15	13	2	2	2	0
Mechanics and repairers	151	146	5	0	0	0	0	0	0
Construction trades	26	26	0	0	0	0	0	0	0
Engineering-related technologies, other	5,090	4,668	422	129	112	17	0	0	0
English language and literature/letters, total	34,552	11,819	22,733	5,518	1,881	3,637	991	428	563
English language and literature, general	24,352	8,005	16,347	3,882	1,326	2,556	710	301	409
Comparative literature	469	162	307	183	70	113	96	38	58
English composition	128	47	81	22	5	17	0	0	0
English creative writing	412	154	258	384	173	211	5	3	2
American literature (United States)	45	20	25	6	3	3	5	1	4
English literature (British and Commonwealth)	1,345	501	844	261	74	187	72	30	42
Speech and rhetorical studies	6,702	2,597	4,105	606	190	416	87	49	38
English technical and business writing	197	56	141	39	9	30	0	0	0
English language and literature/letters, other	902	277	625	135	31	104	16	6	10
Foreign languages and literatures, total	10,984	3,130	7,854	2,494	797	1,697	672	300	372
Foreign languages and literatures, total	1,172	364	808	827	261	566	228	98	130
Foreign languages and literatures, general	702	223	479	200	53	147	53	15	38
Linguistics	470	141	329	627	208	419	175	83	92
East and southeast languages and literatures, total	282	126	156	41	19	22	16	9	7
Chinese	87	33	54	23	10	13	11	6	5
Japanese	150	68	82	3	1	2	1	0	1
East and southeast asian languages, other	45	25	20	15	8	7	4	3	1
East european languages and literatures, total	562	246	316	100	47	53	31	17	14
Russian	493	217	276	33	14	19	3	1	2
Slavic languages (other than Russian)	66	28	38	66	32	34	24	13	11
East european languages and literatures, other	3	1	2	1	1	0	4	3	1
Germanic languages and literatures, total	1,478	587	891	265	100	165	85	38	47
German	1,396	551	845	249	95	154	73	35	38
Scandinavian languages	32	13	19	9	3	6	2	1	1
Germanic languages, other	50	23	27	7	2	5	10	2	8
South asian languages and literatures	6	4	2	5	2	3	7	5	2
Romance languages and literatures, total	6,724	1,480	5,244	1,005	236	769	214	72	142
French	3,015	545	2,470	409	84	325	86	22	64
Italian	240	51	189	42	7	35	10	5	5
Portuguese	21	11	10	3	0	3	4	1	3
Spanish	3,385	859	2,526	521	138	383	95	34	61
Romance languages, other	63	14	49	30	7	23	19	10	9
Middle eastern languages and literatures, total	54	19	35	39	25	14	20	17	3
Arabic	4	2	2	4	2	2	0	0	0
Hebrew	39	12	27	20	13	7	2	1	1
Middle eastern languages, other	11	5	6	15	10	5	18	16	2
Classical and ancient near east languages and literatures, total	565	262	303	165	87	78	52	33	19
Classics and classical languages	412	205	207	146	80	66	49	32	17

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Greek (ancient and medieval)	62	20	42	6	4	2	1	0	1
Latin (ancient and medieval)	91	37	54	13	3	10	2	1	1
Foreign languages and literatures, other	141	42	99	47	20	27	19	11	8
Health professions and related sciences, total	64,396	9,630	54,766	18,573	4,428	14,145	1,241	604	637
Chiropractic	28	21	7	0	0	0	0	0	0
Communication disorders sciences and services	2,464	108	2,356	2,868	160	2,708	78	22	56
Community health liason	202	39	163	277	55	222	12	3	9
Dentistry specialties	180	105	75	460	353	107	8	7	1
Dental services	846	8	838	29	4	25	0	0	0
Health and medical administrative services, total	3,173	610	2563	2,549	987	1562	26	18	8
Health care and services administration	2,351	525	1,826	2,171	838	1,333	12	7	5
Medical records administration	613	37	576	0	0	0	0	0	0
Medical records technology/technician	19	0	19	0	0	0	0	0	0
Health and medical administrative services, other	190	48	142	378	149	229	14	11	3
Health and medical assistants, total	516	222	294	57	17	40	0	0	0
Medical assistant	2	1	1	21	10	11	0	0	0
Physician assistant	514	221	293	36	7	29	0	0	0
Health and medical diagnostic and treatment services, total	915	348	567	38	23	15	1	1	0
Respiratory therapy technology/technician	237	83	154	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	678	265	413	38	23	15	1	1	0
Health and medical laboratory technology/technicians, total	4,016	812	3204	1,220	467	753	112	55	57
Medical technology	1,305	270	1,035	80	26	54	1	0	1
Health and medical laboratory technology/technicians, other	2,711	542	2,169	1,140	441	699	111	55	56
Health and preparatory programs, total	836	578	258	0	0	0	0	0	0
Pre-dentistry studies	128	95	33	0	0	0	0	0	0
Pre-medicine studies	668	464	204	0	0	0	0	0	0
Pre-pharmacy studies	1	0	1	0	0	0	0	0	0
Pre-veterinary studies	39	19	20	0	0	0	0	0	0
Medicine	118	63	55	493	354	139	100	67	33
Medical basic sciences	136	56	80	183	97	86	82	59	23
Mental health services, total	412	74	338	246	78	168	11	6	5
Alcohol/drug abuse counseling	42	16	26	30	9	21	0	0	0
Psychiatric/mental health services technician	64	10	54	66	18	48	0	0	0
Clinical and medical social work	48	9	39	24	3	21	0	0	0
Mental health services, other	258	39	219	126	48	78	11	6	5
Nursing	34,483	1,977	32,506	6,154	502	5,652	277	20	257
Optometry	279	160	119	12	7	5	1	0	1
Osteopathic medicine	6	6	0	0	0	0	0	0	0
Pharmacy	5,130	2,364	2,766	277	174	103	184	135	49
Epidemiology	0	0	0	112	56	56	51	13	38
Rehabilitative/therapeutic services, total	5,917	870	5,047	1,554	334	1,220	20	12	8
Art therapy	68	9	59	148	10	138	0	0	0
Dance therapy	10	0	10	28	1	27	0	0	0
Music therapy	231	20	211	16	3	13	0	0	0
Occupational therapy	2,015	114	1,901	281	21	260	1	0	1
Orthotics/prosthetics	13	7	6	0	0	0	0	0	0
Physical therapy	3,039	627	2,412	405	113	292	1	1	0
Recreational therapy	172	23	149	16	5	11	1	0	1
Vocational rehabilitation counseling	141	24	117	569	153	416	7	5	2
Rehabilitative services, other	228	46	182	91	28	63	10	6	4
Veterinary medicine	322	166	156	107	74	33	101	68	33
Miscellaneous health professions	582	51	531	304	21	283	0	0	0
Health professions and related sciences, other	3,835	992	2,843	1,633	665	968	177	118	59
Home economics and vocational home economics, total	14,889	1,032	13,857	2,294	281	2,013	311	78	233
Home economics, total	13,756	752	13,004	2,170	255	1,915	257	68	189
Home economics, general	3,916	134	3,782	525	28	497	58	12	46
Business home economics	165	8	157	0	0	0	0	0	0
Family and community studies	184	9	175	15	1	14	0	0	0
Family/consumer resource management	617	100	517	47	3	44	13	0	13
Foods and nutrition studies	3,191	232	2,959	678	67	611	62	23	39
Housing studies	637	48	589	46	13	33	6	0	6
Individual and family development studies	2,139	119	2,020	666	104	562	103	31	72
Clothing/apparel and textile studies	2,697	91	2,606	108	13	95	10	1	9
Home economics, other	210	11	199	85	26	59	5	1	4
Vocational home economics, total	1,133	280	853	124	26	98	54	10	44
Consumer and homemaking education	573	37	536	37	10	27	11	3	8
Custodial, housekeeping and home services workers and managers	79	24	55	24	3	21	0	0	0
Vocational home economics, other	481	219	262	63	13	50	43	7	36
Law and legal studies, total	1,197	419	778	1,924	1,441	483	54	48	6
Law, general	8	4	4	691	529	162	49	43	6
Pre-law studies	275	166	109	0	0	0	0	0	0
Paralegal/legal assistant	366	44	322	2	2	0	0	0	0
Law and legal studies, other	548	205	343	1,231	910	321	5	5	0
Liberal arts and sciences, general studies, and humanities, total	21,336	9,415	11,921	1,586	620	966	90	52	38
Liberal arts and sciences/liberal studies	14,236	7,004	7,232	969	358	611	19	11	8
Humanities and humanistic studies	2,088	771	1,317	432	172	260	52	26	26

Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, other	5,012	1,640	3,372	185	90	95	19	15	4
Library science, total	155	17	138	3,564	705	2,859	62	27	35
Library science/librarianship	150	15	135	3,553	702	2,851	53	22	31
Library science, other	5	2	3	11	3	8	9	5	4
Mathematics, total	17,147	9,216	7,931	3,607	2,397	1,210	777	648	129
Mathematics, general	13,784	7,209	6,575	2,080	1,332	748	504	423	81
Applied mathematics, total	1,941	1135	806	843	628	215	106	90	16
Applied mathematics, general	916	542	374	367	259	108	71	60	11
Operations research (quantitative methods)	1,025	593	432	476	369	107	35	30	5
Mathematical statistics	438	243	195	478	298	180	146	120	26
Mathematics, other	984	629	355	206	139	67	21	15	6
Multi/interdisciplinary studies, total	13,489	6,730	6,759	2,625	1,603	1,022	263	171	92
Biological and physical sciences	2,154	1,282	872	245	115	130	29	21	8
Systems science and theory	23	17	6	811	694	117	7	6	1
Museology/museum studies	0	0	0	60	15	45	0	0	0
Multi/interdisciplinary studies, other	11,312	5,431	5,881	1,509	779	730	227	144	83
Parks, recreation, leisure, and fitness studies, total	4,620	1,725	2,895	570	269	301	39	26	13
Parks, recreation and leisure studies	1,905	689	1,216	229	105	124	21	13	8
Parks, recreation and leisure facilities management	2,271	860	1,411	220	102	118	9	6	3
Health and physical education/fitness	187	62	125	75	35	40	0	0	0
Parks, recreation, leisure and fitness studies, other	257	114	143	46	27	19	9	7	2
Philosophy and religion, total	6,239	4,161	2,078	1,163	713	450	477	373	104
Philosophy	3,265	2,193	1,072	437	308	129	242	187	55
Religion/religious studies	2,680	1,765	915	692	387	305	221	178	43
Philosophy and religion, other	294	203	91	34	18	16	14	8	6
Physical sciences and science technologies, total	21,717	15,755	5,962	5,902	4,470	1,432	3,551	2,963	588
Physical sciences, total	21,645	15,710	5,935	5,902	4,470	1,432	3,551	2,963	588
Physical sciences, general	596	446	150	97	75	22	21	15	6
Astronomy	98	81	17	79	68	11	63	58	5
Astrophysics	32	29	3	4	4	0	18	18	0
Atmospheric science and meteorology	355	296	59	204	172	32	54	50	4
Chemistry, total	10,116	6,483	3,633	1,754	1,159	595	1,908	1,508	400
Chemistry, general	9,893	6,352	3,541	1,592	1,045	547	1,737	1,374	363
Analytical chemistry	0	0	0	15	14	1	15	13	2
Inorganic chemistry	0	0	0	9	7	2	11	8	3
Organic chemistry	0	0	0	12	11	1	41	35	6
Medicinal/pharmaceutical chemistry	6	5	1	42	27	15	30	17	13
Chemistry, other	217	126	91	84	55	29	74	61	13
Geological and related sciences, total	4,974	3,871	1,103	1,767	1,360	407	271	215	56
Geology	4,605	3,577	1,028	1,515	1,167	348	197	154	43
Geochemistry	25	17	8	24	20	4	10	9	1
Geophysics and seismology	173	141	32	133	108	25	43	38	5
Geological sciences, other	171	136	35	95	65	30	21	14	7
Miscellaneous physical sciences, total	819	611	208	343	246	97	149	129	20
Metallurgy	2	2	0	27	23	4	15	14	1
Oceanography	191	151	40	141	104	37	83	73	10
Earth science	576	417	159	128	84	44	41	35	6
Miscellaneous physical sciences, other	50	41	9	47	35	12	10	7	3
Physics, total	4,180	3,569	611	1,501	1,277	224	1,010	919	91
Physics, general	4,056	3,467	589	1,422	1,212	210	947	866	81
Physics, other	124	102	22	79	65	14	63	53	10
Physical sciences, other	475	324	151	153	109	44	57	51	6
Science technologies, total	72	45	27	0	0	0	0	0	0
Precision production trades total	400	328	72	0	0	0	0	0	0
Drafting, general	278	247	31	0	0	0	0	0	0
Precision production trades, other	122	81	41	0	0	0	0	0	0
Protective services, total	12,704	7,963	4,741	1,074	748	326	21	17	4
Criminal justice and corrections, total	12,478	7,773	4,705	1,056	739	317	21	17	4
Corrections/correctional administration	531	256	275	99	68	31	0	0	0
Criminal justice/law enforcement administration	3,146	1,967	1,179	352	246	106	4	3	1
Criminal justice studies	6,465	3,975	2,490	471	334	137	17	14	3
Forensic technology/technician	115	48	67	33	26	7	0	0	0
Law enforcement/police science	1,473	1,086	387	55	35	20	0	0	0
Criminal justice and corrections, other	748	441	307	46	30	16	0	0	0
Fire protection	121	114	7	4	3	1	0	0	0
Protective services, other	105	76	29	14	6	8	0	0	0
Psychology, total	40,628	12,605	28,023	9,845	3,347	6,498	3,593	1,724	1,869
Psychology, general	37,875	11,772	26,103	3,837	1,416	2,421	1,628	810	818
Clinical psychology	60	18	42	968	302	666	831	377	454
Counseling psychology	104	24	80	1,905	578	1,327	209	111	98
Developmental and child psychology	279	27	252	126	34	92	36	17	19
Experimental psychology	173	55	118	29	15	14	53	28	25
Industrial and organizational psychology	82	28	54	350	195	155	25	14	11
Physiological psychology	102	46	56	12	4	8	20	8	12
Social psychology	388	143	245	61	24	37	41	17	24
School psychology	107	27	80	1,552	424	1,128	505	227	278
Psychology, other	1,458	465	993	1,005	355	650	245	115	130

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Table 31.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1985–86—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Public administration and services, total	11,887	2,966	8,921	15,692	5,594	10,098	382	171	211
Community organization, resources and services	922	273	649	246	81	165	2	1	1
Public administration	2,367	1,277	1,090	5,454	3,241	2,213	109	70	39
Public policy analysis	211	91	120	407	250	157	24	13	11
Social work	8,046	1,177	6,869	9,077	1,827	7,250	225	81	144
Public administration and services, other	341	148	193	508	195	313	22	6	16
R.O.T.C. and military technologies, total	256	235	21	83	81	2	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	256	235	21	60	58	2	0	0	0
Military technologies, total	0	0	0	23	23	0	0	0	0
Social sciences and history, total	93,840	52,724	41,116	10,564	6,419	4,145	2,955	1,970	985
Social sciences, general	4,231	1,856	2,375	453	225	228	31	19	12
Anthropology	2,594	962	1,632	713	307	406	373	182	191
Archeology	56	23	33	33	11	22	15	5	10
Criminology	1,097	651	446	69	43	26	0	0	0
Demography and population studies	0	0	0	21	11	10	6	5	1
Economics	21,602	14,163	7,439	1,937	1,434	503	789	632	157
Geography, total	3,085	2151	934	568	355	213	131	90	41
Geography	3,056	2,129	927	564	352	212	131	90	41
Cartography	29	22	7	4	3	1	0	0	0
History	16,415	10,409	6,006	1,961	1,169	792	497	331	166
International relations and affairs	3,524	1,558	1,966	1,462	951	511	51	37	14
Political science and government, general	26,439	15,959	10,480	1,704	1,154	550	439	324	115
Sociology	12,271	3,811	8,460	965	429	536	504	277	227
Urban affairs/studies	531	269	262	334	171	163	33	19	14
Social sciences and history, other	1,995	912	1,083	344	159	185	86	49	37
Theological studies and religious vocations, total	5,607	4,127	1,480	4,556	2,902	1,654	1,185	1,067	118
Biblical and other theological languages and literatures	97	82	15	13	11	2	0	0	0
Bible/biblical studies	1,817	1,457	360	315	259	56	4	4	0
Missions/missionary studies and missiology	259	166	93	122	90	32	29	27	2
Religious education	1,049	571	478	858	424	434	17	13	4
Religious/sacred music	292	159	133	130	80	50	6	5	1
Theological/ministerial studies	1,293	1,031	262	1,971	1,332	639	790	708	82
Pastoral counseling and specialized ministries	5	0	5	89	33	56	2	1	1
Theology studies and religious vocations, other	795	661	134	1,058	673	385	337	309	28
Transportation and material moving workers, total	1,837	1,647	190	454	435	19	3	3	0
Transportation and material moving, other	1,837	1,647	190	454	435	19	3	3	0
Visual and performing arts, total	37,241	14,236	23,005	8,420	3,775	4,645	722	396	326
Visual and performing arts, general	1,504	514	990	177	83	94	5	1	4
Crafts, folk art and artisanry	156	40	116	8	7	1	0	0	0
Dance	695	95	600	197	28	169	5	1	4
Design and applied art	5,146	1,871	3,275	296	138	158	0	0	0
Dramatic/theater arts and stagecraft	4,598	1,941	2,657	1,192	598	594	74	38	36
Film/video and photographic arts, total	1,663	1,013	650	219	139	80	6	3	3
Film-video making/cinematography and production	622	403	219	118	79	39	4	2	2
Photography	682	374	308	73	47	26	0	0	0
Film/video and photographic arts, other	359	236	123	28	13	15	2	1	1
Fine arts and art studies, total	14,960	4,778	10,182	2,779	1,005	1,774	154	46	108
Art, general	9,785	3,257	6,528	1,536	586	950	34	12	22
Art history, criticism and conservation	1,670	338	1,332	372	78	294	95	24	71
Arts management	94	13	81	83	30	53	1	0	1
Painting	777	293	484	169	71	98	0	0	0
Ceramic arts and ceramics	74	33	41	23	13	10	0	0	0
Fiber, textile and weaving arts	90	7	83	22	1	21	0	0	0
Metal and jewelry arts	44	14	30	7	3	4	0	0	0
Fine arts and art studies, other	2,426	823	1,603	567	223	344	24	10	14
Graphic arts technology	199	95	104	19	10	9	0	0	0
Music, total	7,175	3,387	3,788	3,453	1,726	1,727	476	305	171
Music, general	3,730	1,663	2,067	1,302	655	647	231	144	87
Music history and literature	109	43	66	64	27	37	27	17	10
Music, general performance	2,481	1,182	1,299	1,656	804	852	156	98	58
Music theory and composition	306	200	106	189	112	77	44	34	10
Music, other	549	299	250	242	128	114	18	12	6
Visual and performing arts, other	1,145	502	643	80	41	39	2	2	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* produced by the Center for Education Statistics.

SOURCE: U.S. Department of Education, Center for Education Statistics, "Degrees and Other Formal Awards Conferred, 1985–86" survey. (This table was prepared September, 1993.)

Table 32.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1986–87

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**991,264**	**480,782**	**510,482**	**289,349**	**141,269**	**148,080**	**34,041**	**22,061**	**11,980**
Agriculture and natural resources, total	14,991	10,314	4,677	3,522	2,460	1,062	1,049	871	178
Agricultural business and production, total	5,337	4,070	1,267	732	564	168	181	151	30
Agricultural business and management, total	3,915	3,052	863	535	414	121	138	115	23
Agricultural business and management, general	424	310	114	51	37	14	4	4	0
Agricultural business/agribusiness operations	1,361	1,076	285	24	21	3	0	0	0
Agricultural economics	1,978	1,532	446	453	349	104	134	111	23
Agricultural business and management, other	152	134	18	7	7	0	0	0	0
Agricultural mechanization	279	276	3	13	12	1	0	0	0
Agricultural production workers and managers	142	116	26	66	59	7	16	14	2
Horticulture services operation and management	415	268	147	49	32	17	12	10	2
International agriculture	26	16	10	13	10	3	0	0	0
Agricultural business and agricultural production, other	560	342	218	56	37	19	15	12	3
Agricultural sciences, total	6,834	4,216	2,618	1,841	1,216	625	680	549	131
Agriculture/agricultural sciences, general	1,185	829	356	216	154	62	1	1	0
Animal sciences, total	3,181	1,751	1,430	583	364	219	196	160	36
Animal sciences, general	2,718	1,455	1,263	435	269	166	139	113	26
Animal breeding and genetics	0	0	0	9	5	4	3	3	0
Animal health	16	8	8	13	4	9	2	2	0
Animal nutrition	0	0	0	10	5	5	10	6	4
Dairy science	197	137	60	53	42	11	14	12	2
Poultry science	98	75	23	21	13	8	11	8	3
Animal sciences, other	152	76	76	42	26	16	17	16	1
Food sciences and technology	489	230	259	247	121	126	110	73	37
Plant sciences, total	1,732	1,243	489	652	475	177	297	251	46
Plant sciences, general	226	161	65	63	45	18	17	15	2
Agronomy and crop science	739	609	130	348	274	74	182	161	21
Horticulture science	624	363	261	158	100	58	69	49	20
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	36	28	8	24	15	9	1	1	0
Range science and management	88	65	23	55	38	17	27	24	3
Plant sciences, other	19	17	2	4	3	1	1	1	0
Soil sciences	140	99	41	116	84	32	67	59	8
Agriculture/agricultural sciences, other	107	64	43	27	18	9	9	5	4
Conservation and renewable natural resources, total	2,820	2,028	792	949	680	269	188	171	17
Natural resources conservation, general	686	428	258	197	127	70	39	31	8
Natural resources management and policy	205	143	62	22	17	5	0	0	0
Fishing and fisheries science and management	127	103	24	77	60	17	19	19	0
Forest harvesting and production technology/technician	203	169	34	48	41	7	14	14	0
Forestry, general	872	692	180	430	311	119	94	87	7
Wildlife and wildlands management	593	396	197	130	91	39	16	14	2
Conservation and renewable natural resources, other	134	97	37	45	33	12	6	6	0
Architecture and related programs, total	8,950	5,617	3,333	3,163	2,086	1,077	92	66	26
Architecture	5,120	3,792	1,328	1,669	1,196	473	27	23	4
City/urban, community, and regional planning	309	221	88	815	532	283	56	35	21
Architectural environmental design	690	464	226	36	18	18	1	0	1
Interior architecture	1,456	160	1,296	37	4	33	0	0	0
Landscape architecture	812	544	268	271	125	146	1	1	0
Architectural urban design and planning	2	2	0	81	54	27	2	2	0
Architecture and related programs, other	561	434	127	254	157	97	5	5	0
Area, ethnic, and cultural studies, total	3,427	1,253	2,174	864	458	406	134	73	61
Area studies, total	2,770	1,042	1,728	742	403	339	116	60	56
African studies	19	7	12	14	7	7	3	0	3
American studies/civilization	1,024	371	653	173	64	109	70	31	39
Latin American studies	224	73	151	156	78	78	0	0	0
Middle Eastern studies	67	28	39	77	54	23	15	11	4
Russian and Slavic studies	251	116	135	97	57	40	1	0	1
Asian studies	574	254	320	148	92	56	20	15	5
European studies	219	61	158	54	40	14	1	0	1
Area studies, other	392	132	260	23	11	12	6	3	3
Ethnic and cultural studies, total	505	155	350	70	27	43	10	5	5
Afro-American (black) studies	150	66	84	17	7	10	0	0	0
Hispanic-American studies	47	18	29	13	4	9	0	0	0
Women's studies	119	3	116	9	0	9	2	0	2
Ethnic studies, other	189	68	121	31	16	15	8	5	3
Area and ethnic studies, other	152	56	96	52	28	24	8	8	0
Biological sciences/life sciences, total	38,121	19,657	18,464	4,952	2,538	2,414	3,419	2,225	1,194
Biology, general	27,465	14,060	13,405	2,022	1,050	972	537	339	198
Biochemistry and biophysics	2,111	1,194	917	263	150	113	461	297	164
Botany, total	269	144	125	336	175	161	294	209	85
Botany, general	237	126	111	195	89	106	159	109	50
Plant pathology	16	9	7	84	52	32	87	62	25
Botany, other	16	9	7	57	34	23	48	38	10
Cell and molecular biology, total	829	379	450	98	48	50	180	118	62
Cell biology	90	68	65	40	18	22	57	36	21

Table 32.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	329	204	125	53	26	27	87	56	31
Cell and molecular biology, other	210	127	83	5	4	1	36	26	10
Microbiology/bacteriology	2,098	999	1,099	390	188	202	337	228	109
Miscellaneous biological specializations, total	1,588	766	822	930	381	549	663	397	266
Anatomy	87	52	35	53	28	25	87	44	43
Ecology	439	245	194	180	108	72	70	51	19
Marine biology	269	159	110	64	34	30	27	20	7
Neurosciences	97	58	39	15	9	6	72	52	20
Nutritional sciences	225	37	188	264	42	222	113	47	66
Toxicology	82	37	45	58	29	29	59	42	17
Genetics, plant and animal	174	78	96	95	29	66	108	59	49
Biometrics and biostatistics	8	6	2	92	38	54	45	28	17
Miscellaneous biological specializations, other	207	94	113	109	64	45	82	54	28
Zoology, total	2,858	1,565	1,293	740	458	282	787	535	252
Zoology, general	2,299	1,264	1,035	241	144	97	172	121	51
Entomology	90	63	27	155	103	52	113	92	21
Pathology, human and animal	26	8	18	52	32	20	113	71	42
Pharmacology, human and animal	41	22	19	65	31	34	210	126	84
Physiology, human and animal	402	208	194	227	148	79	175	122	53
Zoology, other	0	0	0	0	0	0	4	3	1
Biological sciences/life sciences, other	1,103	550	553	173	88	85	160	102	58
Business management and administrative services and marketing operations/marketing and distribution, total	240,546	128,603	111,943	67,093	44,913	22,180	1,062	808	254
Business management and administrative services, total	236,296	127,188	109,108	66,994	44,867	22,127	1,062	808	254
Business, general	41,776	22,663	19,113	11,881	8,197	3,684	175	145	30
Business administration and management, total	70,314	38,490	31,824	36,007	24,293	11,714	524	381	143
Office supervision and management	1,302	104	1,198	0	0	0	0	0	0
Operations management and supervision	1,002	775	227	163	141	22	1	1	0
Business administration and management, other	68,010	37,611	30,399	35,844	24,152	11,692	523	380	143
Accounting	44,071	21,372	22,699	2,957	1,750	1,207	61	44	17
Administrative and secretarial services	648	41	607	3	0	3	0	0	0
Business/managerial economics	3,555	2,346	1,209	201	143	58	59	51	8
Enterprise management and operation	70	51	19	5	3	2	0	0	0
Financial management and services, total	25,192	16,362	8830	4,727	3331	1396	70	62	8
Finance, general	24,339	15,820	8,519	4,516	3,166	1,350	67	60	7
Actuarial sciences	187	119	68	36	27	9	2	1	1
Insurance and risk management	397	254	143	33	25	8	1	1	0
Investments and securities	269	169	100	142	113	29	0	0	0
Hospitality services management	4,813	2,581	2,232	244	159	85	3	3	0
Human resources management, total	4,165	1961	2204	1,843	905	938	43	27	16
Human resources management	2,624	1,229	1,395	1,049	546	503	8	5	3
Labor/personnel relations and studies	1,062	538	524	644	291	353	15	10	5
Organizational behavior studies	479	194	285	150	68	82	20	12	8
International business	1,109	487	622	1,734	1,174	560	16	12	4
Business information systems, total	4,304	2,469	1835	1,103	800	303	9	7	2
Management information systems and data processing, general	4,085	2,355	1,730	1,103	800	303	9	7	2
Business information systems, other	219	114	105	0	0	0	0	0	0
Quantitative methods and management science	1,465	891	574	273	213	60	11	8	3
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	1,465	891	574	273	213	60	11	8	3
Marketing management and research	29,575	14,446	15,129	1,828	984	844	33	24	9
Real estate	838	590	248	206	173	33	1	1	0
Taxation	0	0	0	1,016	708	308	0	0	0
Consumer and personal services	70	53	17	0	0	0	0	0	0
Business management and administrative services, other	4,331	2,385	1,946	2,966	2,034	932	57	43	14
Marketing operations/marketing and distribution, total	4,250	1,415	2,835	99	46	53	0	0	0
Apparel and accessories marketing operations	1,547	40	1,507	5	1	4	0	0	0
Business and personal services marketing operations	758	419	339	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	1,264	618	646	49	24	25	0	0	0
Tourism and travel services marketing operations	209	62	147	37	15	22	0	0	0
Marketing operations/marketing and distribution, other	472	276	196	8	6	2	0	0	0
Communications and communications technologies, total	45,337	18,110	27,227	3,893	1,590	2,303	275	158	117
Communications, total	43,953	17,386	26,567	3,622	1,441	2,181	273	157	116
Communications, general	20,333	7,702	12,631	1,426	553	873	215	120	95
Advertising	2,665	948	1,717	165	70	95	4	2	2
Journalism and mass communications, total	11,833	4,391	7,442	1,227	482	745	25	18	7
Journalism	10,891	3,963	6,928	1,217	481	736	25	18	7
Broadcast journalism	942	428	514	10	1	9	0	0	0
Public relations and organizational communications	1,376	405	971	60	13	47	0	0	0
Radio television broadcasting	5,604	3,032	2,572	244	132	112	12	9	3
Communications, other	2,142	908	1,234	500	191	309	17	8	9
Communications technologies, total	1,384	724	660	271	149	122	2	1	1
Photographic technology/technician	27	14	13	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,233	646	587	198	106	92	2	1	1
Communications technologies, other	124	64	60	73	43	30	0	0	0
Computer and information sciences, total	39,589	25,865	13,724	8,481	5,985	2,496	374	322	52

Table 32.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	31,713	21,078	10,635	7,066	5,109	1,957	350	306	44
Computer programming	346	270	76	40	32	8	0	0	0
Data processing technology/technician	754	418	336	33	23	10	0	0	0
Information science and systems	4,678	2,770	1,908	964	544	420	17	12	5
Computer systems analysis	454	275	179	149	121	28	0	0	0
Computer and information sciences, other	1,644	1,054	590	229	156	73	7	4	3
Education, total	86,936	20,729	66,207	74,045	19,293	54,752	6,407	2,931	3,476
Education, general	1,880	406	1,474	7,530	2,045	5,485	1,026	438	588
Bilingual/bicultural education	359	115	244	409	130	279	42	23	19
Curriculum and instruction	394	21	373	3,699	782	2,917	713	260	453
Education administration and supervision, total	25	7	18	8,965	4,037	4,928	2,122	1,097	1,025
Education administration and supervision, general	3	0	3	5,670	2,662	3,008	1,502	804	698
Administration of special education	3	0	3	22	9	13	18	6	12
Adult and continuing education administration	0	0	0	119	39	80	44	22	22
Educational supervision	3	3	0	845	308	537	19	8	11
Elementary and secondary education administration	14	2	12	1,394	664	730	84	49	35
Higher education administration	2	2	0	293	102	191	359	165	194
Community and junior college administration	0	0	0	86	30	56	12	7	5
Education administration and supervision, other	0	0	0	536	223	313	84	36	48
Educational/instructional media design	28	6	22	765	181	584	32	18	14
Educational evaluation, research and statistics, total	1	0	1	154	56	98	117	49	68
Evaluation and research, general	0	0	0	58	23	35	47	18	29
Educational statistics and research	1	0	1	36	18	18	50	24	26
Educational testing, evaluation, and measurement	0	0	0	60	15	45	20	7	13
Social and philosophical foundations of education	0	0	0	185	69	116	121	60	61
Special education, total	6,996	492	6,504	8,826	1,025	7,801	230	61	169
Special education, general	4,664	346	4,318	6,519	793	5,726	193	50	143
Education of the deaf and hearing impaired	183	5	178	229	26	203	2	1	1
Education of the gifted and talented	2	0	2	162	11	151	3	0	3
Education of the emotionally handicapped	169	15	154	254	44	210	2	1	1
Education of the mentally handicapped	554	47	507	206	23	183	2	1	1
Education of the multiple handicapped	66	6	60	94	6	88	0	0	0
Education of the physically handicapped	42	1	41	51	2	49	3	0	3
Education of the blind and visually handicapped	26	3	23	65	12	53	0	0	0
Education of the specific learning disabled	285	8	277	634	57	577	14	2	12
Education of the speech impaired	645	31	614	282	7	275	0	0	0
Special education, other	360	30	330	330	44	286	11	6	5
Counselor education/counseling and guidance services	103	23	80	9,314	2,395	6,919	441	213	228
General teacher education, total	44,121	4,308	39,813	16,704	2,561	14,143	428	174	254
Adult and continuing education	79	25	54	553	161	392	109	42	67
Elementary education	35,762	2,676	33,086	10,238	951	9,287	104	20	84
Junior high/intermediate/middle school education	549	88	461	413	61	352	0	0	0
Pre-elementary/early childhood/kindergarten education	3,975	85	3,890	1,415	36	1,379	26	3	23
Secondary education	3,482	1,413	2,069	3,174	1,126	2,048	97	55	42
General teacher education, other	274	21	253	911	226	685	92	54	38
Teacher education, academic and vocational programs, total	32,234	15,115	17,119	14,323	5,028	9,295	899	436	463
Agricultural education (vocational)	693	539	154	345	270	75	31	24	7
Art education	1,211	216	995	620	143	477	49	18	31
Business education (vocational)	1,919	389	1,530	622	118	504	26	12	14
Driver and safety education	49	42	7	77	67	10	0	0	0
English education	1,143	219	924	421	79	342	31	7	24
Foreign languages education	210	39	171	91	16	75	30	16	14
Health education	1,694	416	1,278	679	134	545	84	29	55
Home economics education (vocational)	650	1	649	202	1	201	13	0	13
Technology/industrial arts education	2,315	2,087	228	611	488	123	39	22	17
Marketing operations/marketing and distribution education	236	101	135	35	10	25	1	1	0
Mathematics education	1,419	512	907	478	164	314	33	14	19
Music education	3,114	1,273	1,841	955	425	530	87	47	40
Physical education and coaching	12,255	6,428	5,827	3,557	1,825	1,732	196	110	86
Reading education	181	15	166	3,063	176	2,887	75	9	66
Science education	1,215	505	710	481	212	269	47	32	15
Social science education	619	346	273	119	39	80	4	2	2
Social studies education	948	536	412	112	59	53	5	3	2
Technical education (vocational)	305	215	90	131	73	58	23	12	11
Trade and industrial education (vocational)	1,284	981	303	635	348	287	78	53	25
Teacher education, academic and vocational programs, other	774	255	519	1,089	381	708	47	25	22
Teaching English as a second language/foreign language	27	7	20	657	184	473	1	0	1
Education, other	768	229	539	2,514	800	1,714	235	102	133
Engineering and engineering-related technologies, total	92,816	80,104	12,712	22,654	19,804	2,850	3,818	3,555	263
Engineering, total	73,747	62,496	11,251	22,015	19,250	2,765	3,801	3,540	261
Engineering, general	2,746	2,301	445	1,046	920	126	228	216	12
Aerospace, aeronautical, and astronautical engineering	2,989	2,741	248	737	682	55	129	119	10
Agricultural engineering	559	498	61	151	138	13	68	63	5
Architectural engineering	465	380	85	50	45	5	0	0	0
Bioengineering and biomedical engineering	637	411	226	313	231	82	58	47	11
Ceramic sciences and engineering	301	217	84	107	81	26	34	31	3

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Table 32.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Chemical engineering	4,991	3,607	1,384	1,184	961	223	497	439	58
Civil engineering, general	8,147	7,068	1,079	2,901	2,522	379	451	434	17
Computer engineering	2,021	1,666	355	709	595	114	57	51	6
Electrical, electronics, and communications engineering	24,547	21,384	3,163	6,183	5,580	603	724	689	35
Engineering mechanics	159	139	20	181	161	20	103	100	3
Engineering physics	393	332	61	117	107	10	37	35	2
Engineering science	266	207	59	204	173	31	41	38	3
Environmental/environmental health engineering	96	70	26	312	221	91	41	35	6
Geological engineering	243	195	48	76	66	10	5	5	0
Geophysical engineering	78	65	13	29	24	5	6	6	0
Industrial/manufacturing engineering	4,166	2,828	1,338	1,726	1,407	319	165	145	20
Materials engineering	409	289	120	387	289	98	210	179	31
Mechanical engineering	15,450	13,755	1,695	3,198	2,971	227	528	511	17
Metallurgical engineering	440	347	93	258	220	38	111	104	7
Mining and mineral engineering	298	266	32	89	83	6	28	26	2
Naval architecture and marine engineering	446	412	34	31	30	1	5	5	0
Nuclear engineering	323	296	27	261	234	27	90	88	2
Ocean engineering	118	105	13	86	75	11	21	21	0
Petroleum engineering	1,067	932	135	201	181	20	20	20	0
Systems engineering	310	247	63	226	186	40	27	27	0
Textile sciences and engineering	26	17	9	2	2	0	0	0	0
Engineering, other	2,056	1,721	335	1,250	1,065	185	117	106	11
Engineering-related technologies, total	19,069	17,608	1,461	639	554	85	17	15	2
Architectural engineering technology	896	832	64	13	12	1	0	0	0
Civil engineering/civil technology	549	508	41	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	5,145	4,822	323	24	20	4	0	0	0
Electromechanical instrumentation and maintenance technologies	214	201	13	11	11	0	0	0	0
Environmental control technologies	104	84	20	44	30	14	0	0	0
Industrial production technologies	4,629	4,216	413	176	158	18	6	5	1
Quality control and safety technologies	235	187	48	138	115	23	0	0	0
Mechanical engineering-related technologies	2,421	2,283	138	0	0	0	0	0	0
Mining and petroleum engineering technologies	66	63	3	5	4	1	5	4	1
Surveying	113	97	16	27	25	2	6	6	0
Mechanics and repairers	187	182	5	0	0	0	0	0	0
Construction trades	27	22	5	0	0	0	0	0	0
Engineering-related technologies, other	4,483	4,111	372	201	179	22	0	0	0
English language and literature/letters, total	36,284	12,353	23,931	5,483	1,891	3,592	961	415	546
English language and literature, general	25,753	8,424	17,329	3,884	1,344	2,540	659	281	378
Comparative literature	617	220	397	185	72	113	108	48	60
English composition	147	59	88	10	4	6	1	0	1
English creative writing	468	193	275	413	179	234	1	0	1
American literature (United States)	26	9	17	9	0	9	6	2	4
English literature (British and Commonwealth)	1,318	432	886	206	65	141	72	30	42
Speech and rhetorical studies	6,817	2,645	4,172	576	177	399	79	40	39
English technical and business writing	130	51	79	80	26	54	0	0	0
English language and literature/letters, other	1,008	320	688	120	24	96	35	14	21
Foreign languages and literatures, total	11,034	3,116	7,918	2,379	766	1,613	661	284	377
Foreign languages and literatures, total	1,164	336	828	777	254	523	211	92	119
Foreign languages and literatures, general	689	196	493	236	59	177	40	18	22
Linguistics	475	140	335	541	195	346	171	74	97
East and southeast asian languages and literatures, total	288	152	136	43	19	24	22	16	6
Chinese	110	54	56	16	7	9	10	7	3
Japanese	135	70	65	10	2	8	3	2	1
East and southeast asian languages, other	43	28	15	17	10	7	9	7	2
East european languages and literatures, total	577	232	345	110	50	60	22	9	13
Russian languages	502	201	301	54	25	29	8	2	6
Slavic languages (other than Russian)	75	31	44	56	25	31	14	7	7
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages and literatures, total	1,419	549	870	249	97	152	77	37	40
German	1,366	537	829	234	87	147	70	33	37
Scandinavian languages	35	10	25	8	5	3	1	1	0
Germanic languages, other	18	2	16	7	5	2	6	3	3
South asian languages and literatures	2	0	2	1	0	1	4	1	3
Romance languages and literatures, total	6,812	1,509	5,303	1,026	250	776	225	71	154
French	3,062	584	2,478	421	94	327	85	22	63
Italian	219	48	171	53	14	39	17	6	11
Portuguese	16	7	9	5	2	3	3	2	1
Spanish	3,450	854	2,596	504	127	377	104	36	68
Romance languages, other	65	16	49	43	13	30	16	5	11
Middle eastern languages and literatures, total	71	17	54	27	16	11	13	10	3
Arabic	8	3	5	1	1	0	1	1	0
Hebrew	55	9	46	16	10	6	5	3	2
Middle eastern languages, other	8	5	3	10	5	5	7	6	1
Classical and ancient near eastern languages and literatures, total	491	246	245	115	66	49	53	28	25

Table 32.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classics and classical languages	362	184	178	92	54	38	49	26	23
Greek (ancient and medieval)	50	33	17	7	6	1	2	2	0
Latin (ancient and medieval)	79	29	50	16	6	10	2	0	2
Foreign languages, other	210	75	135	31	14	17	34	20	14
Health professions and related sciences, total	63,103	9,134	53,969	18,394	3,874	14,520	1,213	564	649
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and related services	2,575	128	2,447	2,985	165	2,820	89	24	65
Community health liason	445	63	382	456	115	341	12	7	5
Dentistry specialties	180	96	84	411	315	96	14	10	4
Dental services	736	11	725	39	19	20	0	0	0
Health and medical administrative services, total	3,231	687	2,544	2,593	955	1,638	23	14	9
Health care and services administration	2,295	594	1,701	2,216	853	1,363	16	10	6
Medical records administration	671	46	625	0	0	0	0	0	0
Medical records technology/technician	21	1	20	0	0	0	0	0	0
Health services administration, other	244	46	198	377	102	275	7	4	3
Health and medical assistants, total	603	233	370	79	24	55	0	0	0
Medical assistant	0	0	0	15	6	9	0	0	0
Physician assistant	587	233	354	64	18	46	0	0	0
Veterinarian assistant/animal health technician	16	0	16	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	945	324	621	36	23	13	0	0	0
Respiratory therapy technology/technician	286	91	195	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	659	233	426	36	23	13	0	0	0
Health and medical laboratory technologies/technicians, total	3,660	827	2833	1,284	425	859	112	50	62
Medical technology	3,148	683	2,465	102	23	79	4	2	2
Health and medical laboratory technologies/technicians, other	512	144	368	1,182	402	780	108	48	60
Health and medical preparatory programs, total	680	474	206	1	0	1	0	0	0
Pre-dentistry studies	110	79	31	0	0	0	0	0	0
Pre-medicine studies	527	370	157	0	0	0	0	0	0
Pre-pharmacy studies	10	5	5	0	0	0	0	0	0
Pre-veterinary studies	33	20	13	1	0	1	0	0	0
Medicine	63	28	35	1	0	1	16	11	5
Medical basic sciences	65	20	45	162	83	79	56	38	18
Mental health services, total	175	45	130	152	49	103	0	0	0
Alcohol/drug abuse counseling	33	20	13	36	16	20	0	0	0
Psychiatric/mental health services technician	95	14	81	58	13	45	0	0	0
Medical social work	47	11	36	58	20	38	0	0	0
Mental health services, other	0	0	0	0	0	0	0	0	0
Nursing	34,273	1,858	32,415	6,277	441	5,836	275	27	248
Optometry	278	171	107	11	10	1	2	0	2
Osteopathic medicine	1	0	1	1	0	1	0	0	0
Pharmacy	5,022	2,213	2,809	265	149	116	199	141	58
Epidemiology	0	0	0	166	88	78	47	18	29
Rehabilitative/therapeutic services, total	6,061	899	5,162	1,720	350	1,370	29	13	16
Art therapy	44	0	44	156	14	142	0	0	0
Dance therapy	5	1	4	27	2	25	0	0	0
Music therapy	216	12	204	22	3	19	0	0	0
Occupational therapy	1,952	129	1,823	307	27	280	2	0	2
Orthotics/prosthetics	11	8	3	0	0	0	0	0	0
Physical therapy	3,239	668	2,571	522	127	395	3	1	2
Recreational therapy	169	25	144	7	1	6	0	0	0
Vocational rehabilitation therapy	168	25	143	549	134	415	16	11	5
Rehabilitative services, other	257	31	226	130	42	88	8	1	7
Veterinary medicine	194	104	90	117	67	50	62	42	20
Miscellaneous health professions	41	14	27	27	15	12	0	0	0
Health professions and related sciences, other	3,875	939	2,936	1,611	581	1,030	277	169	108
Home economics and vocational home economics, total	14,417	1,090	13,327	2,064	256	1,808	296	65	231
Home economics, total	13,492	868	12,624	1,985	244	1,741	249	57	192
Home economics, general	4,014	162	3,852	466	19	447	55	9	46
Business home economics	176	5	171	0	0	0	0	0	0
Family and community studies	170	13	157	28	6	22	0	0	0
Family/consumer resource management	623	105	518	41	4	37	18	2	16
Food and nutrition studies	3,022	252	2,770	660	57	603	59	17	42
Housing studies	691	61	630	38	17	21	1	0	1
Individual and family development studies	2,316	150	2,166	611	126	485	100	28	72
Clothing/apparel and textile studies	2,338	115	2,223	92	4	88	13	1	12
Home economics, other	142	5	137	49	11	38	3	0	3
Vocational home economics, total	925	222	703	79	12	67	47	8	39
Child care and guidance management	337	7	330	55	6	49	45	8	37
Custodial, housekeeping and home services workers and managers	91	33	58	16	5	11	2	0	2
Vocational home economics, other	497	182	315	8	1	7	0	0	0
Law and legal studies, total	1,178	370	808	1,943	1,423	520	120	79	41
Law, general	1	0	1	733	542	191	61	40	21
Pre-law studies	251	141	110	0	0	0	0	0	0
Paralegal/legal assistant	425	62	363	2	0	2	0	0	0
Law and legal studies, other	501	167	334	1,208	881	327	59	39	20
Liberal arts and sciences, general studies, and humanities, total	23,717	10,191	13,526	1,581	622	959	56	28	28

Table 32.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences/liberal studies	13,308	6,049	7,259	990	400	590	17	8	9
Humanities/humanistic studies	2,351	876	1,475	452	162	290	27	13	14
Liberal arts and sciences, general studies, other	8,058	3,266	4,792	139	60	79	12	7	5
Library science, total	136	20	116	3,783	788	2,995	57	18	39
Library science/librarianship	131	20	111	3,764	787	2,977	52	15	37
Library science, other	5	0	5	19	1	18	5	3	2
Mathematics, total	16,999	9,110	7,889	3,730	2,328	1,402	759	628	131
Mathematics, general	13,996	7,324	6,672	2,276	1,362	914	539	456	83
Applied mathematics, total	1,711	1,000	711	798	573	225	95	78	17
Applied mathematics, general	969	563	406	351	240	111	59	48	11
Operations research (quantitative methods)	742	437	305	447	333	114	36	30	6
Mathematical statistics	463	266	197	577	343	234	115	85	30
Mathematics, other	829	520	309	79	50	29	10	9	1
Multi/interdisciplinary studies, total	13,933	6,718	7,215	2,482	1,553	929	247	161	86
Biological and physical sciences	2,002	1,142	860	261	129	132	22	17	5
Systems science and theory	34	21	13	885	732	153	3	3	0
Multi/interdisciplinary studies, other	11,897	5,555	6,342	1,336	692	644	222	141	81
Parks, recreation, leisure, and fitness studies, total	4,264	1,690	2,574	560	244	316	32	20	12
Parks, recreation and leisure studies	1,709	638	1,071	174	72	102	19	10	9
Parks, recreation and leisure facilities management	2,184	884	1,300	236	95	141	9	8	1
Health and physical education/fitness	157	54	103	84	31	53	0	0	0
Parks, recreation, leisure and fitness studies, other	214	114	100	66	46	20	4	2	2
Philosophy and religion, total	5,984	3,845	2,139	1,109	698	411	421	329	92
Philosophy	3,252	2,180	1,072	415	296	119	223	180	43
Religion/religious studies	2,473	1,490	983	576	348	228	192	144	48
Philosophy and religion, other	259	175	84	118	54	64	6	5	1
Physical sciences and science technologies, total	20,070	14,372	5,698	5,629	4,219	1,410	3,673	3,039	634
Physical sciences, total	19,989	14,326	5,663	5,628	4,219	1,409	3,672	3,038	634
Physical sciences, general	621	478	143	65	45	20	2	2	0
Astronomy	100	84	16	60	44	16	52	43	9
Astrophysics	29	22	7	11	11	0	14	11	3
Atmospheric science and meteorology	345	284	61	216	187	29	63	53	10
Chemistry, total	9,670	6,068	3,602	1,738	1,174	564	1,976	1,555	421
Chemistry, general	9,474	5,934	3,540	1,611	1,093	518	1,818	1,427	391
Analytical chemistry	1	1	0	14	8	6	12	9	3
Inorganic chemistry	0	0	0	7	5	2	13	10	3
Organic chemistry	0	0	0	15	13	2	33	28	5
Medical/pharmaceutical chemistry	10	7	3	43	26	17	44	35	9
Chemistry, other	185	126	59	48	29	19	56	46	10
Geological and related sciences, total	3,665	2,814	851	1,603	1,188	415	280	223	57
Geology	3,367	2,591	776	1,386	1,029	357	220	173	47
Geochemistry	9	6	3	15	12	3	6	4	2
Geophysics and seismology	142	110	32	114	87	27	26	23	3
Geological sciences, other	147	107	40	88	60	28	28	23	5
Miscellaneous physical sciences, total	707	550	157	297	195	102	147	126	21
Metallurgy	2	1	1	13	10	3	15	15	0
Oceanography	163	130	33	109	74	35	69	58	11
Earth science	524	405	119	126	84	42	61	51	10
Miscellaneous physical sciences, other	18	14	4	49	27	22	2	2	0
Physics, total	4,318	3,623	695	1,543	1,300	243	1,074	972	102
Physics, general	4,180	3,515	665	1,455	1,226	229	999	905	94
Physics, other	138	108	30	88	74	14	75	67	8
Physical sciences, other	534	403	131	95	75	20	64	53	11
Science technologies, total	81	46	35	1	0	1	1	1	0
Precision production trades, total	455	332	123	0	0	0	0	0	0
Drafting, general	258	229	29	0	0	0	0	0	0
Precision production trades, other	197	103	94	0	0	0	0	0	0
Protective services, total	12,930	7,974	4,956	1,019	719	300	18	15	3
Criminal justice and corrections, total	12,777	7,827	4,950	1,012	712	300	18	15	3
Corrections/correctional administration	520	240	280	92	64	28	0	0	0
Criminal justice/law enforcement administration	3,313	2,089	1,224	373	247	126	3	2	1
Criminal justice studies	6,596	3,966	2,630	449	339	110	15	13	2
Forensic technology/technician	182	79	103	37	22	15	0	0	0
Law enforcement/police science	1,313	937	376	41	30	11	0	0	0
Criminal justice and corrections, other	853	516	337	20	10	10	0	0	0
Fire protection	145	141	4	7	7	0	0	0	0
Protective services, other	8	6	2	0	0	0	0	0	0
Psychology, total	42,994	13,362	29,632	9,562	3,172	6,390	3,560	1,615	1,945
Psychology, general	39,981	12,337	27,644	3,873	1,411	2,462	1,633	766	867
Clinical psychology	68	20	48	857	264	593	819	371	448
Counseling psychology	196	53	143	1,850	532	1,318	214	101	113
Developmental and child psychology	250	25	225	108	36	72	51	20	31
Experimental psychology	165	54	111	37	20	17	57	31	26
Industrial and organizational psychology	113	40	73	441	217	224	37	20	17
Physiological psychology	121	56	65	9	5	4	24	12	12
Social psychology	487	199	288	40	20	20	48	18	30
School psychology	158	33	125	1,438	344	1,094	502	186	316

Table 32.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1986–87—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Psychology, other	1,455	545	910	909	323	586	175	90	85
Public administration and services, total	12,328	2,993	9,335	16,432	5,673	10,759	398	216	182
Community organization, resources and services	998	252	746	353	169	184	8	3	5
Public administration	2,281	1,255	1,026	5,542	3,237	2,305	116	88	28
Public policy analysis	218	96	122	458	264	194	41	21	20
Social work	8,327	1,185	7,142	9,384	1,760	7,624	203	86	117
Public administration and services, other	504	205	299	695	243	452	30	18	12
R.O.T.C. and military technologies, total	384	358	26	119	118	1	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	383	357	26	68	67	1	0	0	0
Military technologies, total	1	1	0	51	51	0	0	0	0
Social sciences and history, total	96,342	53,949	42,393	10,506	6,373	4,133	2,916	2,026	890
Social sciences, general	4,422	1,928	2,494	493	269	224	30	19	11
Anthropology	2,730	981	1,749	710	294	416	346	169	177
Archeology	67	21	46	36	11	25	17	7	10
Criminology	1,141	683	458	57	36	21	3	2	1
Demography and population studies	10	7	3	18	10	8	9	7	2
Economics	22,378	14,775	7,603	1,855	1,381	474	750	624	126
Geography, total	3,077	2,138	939	558	364	194	131	100	31
Geography	3,055	2,124	931	554	360	194	131	100	31
Cartography	22	14	8	4	4	0	0	0	0
History	16,997	10,591	6,406	2,021	1,204	817	534	360	174
International relations and affairs	3,790	1,719	2,071	1,522	948	574	61	53	8
Political science and government, general	26,817	15,985	10,832	1,618	1,111	507	435	316	119
Sociology	12,239	3,848	8,391	950	414	536	451	271	180
Urban affairs/studies	559	300	259	261	133	128	30	14	16
Social sciences and history, other	2,115	973	1,142	407	198	209	119	84	35
Theological studies and religious vocations, total	5,730	4,331	1,399	4,966	3,249	1,717	1,230	1,103	127
Biblical and other theological languages and literatures	43	38	5	10	9	1	0	0	0
Bible/biblical studies	1,887	1,515	372	270	231	39	17	17	0
Missions/missionary studies and missiology	243	163	80	196	147	49	24	22	2
Religious education	924	547	377	716	367	349	38	28	10
Religious/sacred music	204	118	86	126	75	51	6	4	2
Theology and theological studies	1,603	1,291	312	2,303	1,562	741	830	758	72
Pastoral counseling and specialized ministries	0	0	0	125	56	69	0	0	0
Theology studies and religious vocations, other	826	659	167	1,220	802	418	315	274	41
Transportation and material moving workers, total	1,654	1,471	183	433	420	13	0	0	0
Transportation and material moving, other	1,654	1,471	183	433	420	13	0	0	0
Visual and performing arts, total	36,615	13,751	22,864	8,508	3,756	4,752	793	447	346
Visual and performing arts, general	1,549	539	1,010	228	100	128	1	1	0
Crafts, folk art and artisanry	151	41	110	12	6	6	0	0	0
Dance	676	79	597	185	25	160	4	0	4
Design and applied art	5,219	1,855	3,364	266	117	149	1	0	1
Dramatic/theater arts and stagecraft	4,609	1,892	2,717	1,129	575	554	84	55	29
Film/video and photographic arts, total	1,695	1,011	684	368	220	148	6	4	2
Film-video making/cinematography and production	673	435	238	213	129	84	6	4	2
Photography	642	335	307	86	46	40	0	0	0
Film/video and photographic arts, other	380	241	139	69	45	24	0	0	0
Fine arts and art studies, total	14,841	4,673	10,168	2,769	1,002	1,767	175	54	121
Art, general	9,827	3,259	6,568	1,572	626	946	44	18	26
Art history, criticism and conservation	1,791	351	1,440	385	70	315	110	30	80
Arts management	73	12	61	69	24	45	1	0	1
Painting	783	278	505	176	80	96	0	0	0
Ceramic arts and ceramics	72	24	48	42	19	23	0	0	0
Fiber, textile and weaving arts	80	7	73	19	2	17	0	0	0
Metal and jewelry arts	50	13	37	15	4	11	0	0	0
Fine arts and art studies, other	2,165	729	1,436	491	177	314	20	6	14
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,925	3,254	3,671	3,455	1,670	1,785	518	329	189
Music, general	3,698	1,678	2,020	1,250	599	651	236	148	88
Music history and literature	56	23	33	52	32	20	29	16	13
Music, general performance	2,313	1,069	1,244	1,629	761	868	164	96	68
Music theory and composition	276	197	79	218	138	80	53	40	13
Music, other	582	287	295	306	140	166	36	29	7
Visual and performing arts, other	950	407	543	96	41	55	4	4	0

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared September 1993.)

Table 33.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1987–88

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**994,829**	**477,203**	**517,626**	**299,317**	**145,163**	**154,154**	**34,870**	**22,615**	**12,255**
Agriculture and natural resources, total	14,222	9,744	4,478	3,479	2,427	1,052	1,142	926	216
Agricultural business and production, total	4,800	3,648	1,152	710	536	174	199	162	37
Agricultural business and management, total	3,542	2,770	772	566	443	123	164	132	32
Agricultural business and management, general	423	334	89	38	29	9	1	1	0
Agricultural business/agribusiness oprations	1,235	996	239	46	41	5	0	0	0
Agricultural economics	1,758	1,331	427	467	359	108	163	131	32
Agricultural business and management, other	126	109	17	15	14	1	0	0	0
Agricultural mechanization	237	230	7	7	7	0	1	1	0
Agricultural production workers and managers	109	86	23	17	11	6	11	9	2
Horticulture services operations and management	356	231	125	43	28	15	12	11	1
International agriculture	20	10	10	16	6	10	0	0	0
Agricultural business and production, other	536	321	215	61	41	20	11	9	2
Agricultural sciences, total	6,392	3,869	2,523	1,762	1,204	558	726	588	138
Agriculture/agricultural sciences, general	1,045	737	308	209	150	59	0	0	0
Animal sciences, total	3,034	1,617	1,417	529	365	164	190	157	33
Animal sciences, general	2,547	1,302	1,245	363	240	123	139	115	24
Agricultural animal breeding and genetics	0	0	0	12	12	0	8	8	0
Agricultural animal health	21	10	11	20	13	7	5	2	3
Agricultural animal nutrition	0	0	0	9	9	0	7	6	1
Dairy science	210	163	47	52	38	14	13	10	3
Poultry science	101	70	31	39	26	13	9	8	1
Animal sciences, other	155	72	83	34	27	7	9	8	1
Food sciences and technology	589	270	319	247	109	138	114	85	29
Plant sciences, total	1,573	1,146	427	668	493	175	336	273	63
Plant sciences, general	240	169	71	72	53	19	25	18	7
Agronomy and crop science	638	543	95	333	262	71	226	191	35
Horticulture science	565	341	224	162	101	61	57	41	16
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricutural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	26	15	11	24	18	6	1	1	0
Range science and management	87	66	21	66	51	15	23	18	5
Plant sciences, other	17	12	5	11	8	3	4	4	0
Soil sciences	102	75	27	94	78	16	78	68	10
Agricultural sciences, other	49	24	25	15	9	6	8	5	3
Conservation and renewable natural resources, total	3,030	2,227	803	1,007	687	320	217	176	41
Natural resources conservation, general	872	566	306	258	159	99	30	23	7
Natural resources management and policy	144	105	39	0	0	0	0	0	0
Fishing and fisheries sciences and management	146	124	22	127	94	33	33	25	8
Forest harvesting and production technology/technician	226	180	46	28	21	7	10	7	3
Forestry, general	955	780	175	440	309	131	126	106	20
Wildlife and wildlands management	580	411	169	108	74	34	14	13	1
Conservation and renewable natural resources, other	107	61	46	46	30	16	4	2	2
Architecture and related programs, total	8,603	5,271	3,332	3,159	2,042	1,117	98	66	32
Architecture	4,915	3,594	1,321	1,746	1,246	500	32	23	9
City/urban, community, and regional planning	274	199	75	864	535	329	59	38	21
Architectural environmental design	672	473	199	45	30	15	2	2	0
Interior architecture	1,540	174	1,366	37	5	32	0	0	0
Landscape architecture	814	554	260	284	137	147	2	2	0
Architectural urban design and planning	1	1	0	49	34	15	0	0	0
Architecture and related programs, other	387	276	111	134	55	79	3	1	2
Area, ethnic, and cultural studies, total	3,601	1,392	2,209	911	490	421	142	71	71
Area studies, total	2,976	1,198	1,778	702	342	360	118	57	61
African studies	13	6	7	16	5	11	10	7	3
American studies/civilization	1,181	449	732	189	63	126	59	21	38
Latin American studies	242	90	152	126	72	54	6	3	3
Middle Eastern studies	63	34	29	60	25	35	16	11	5
Russian and Slavic studies	245	136	109	85	46	39	3	2	1
Asian studies	626	270	356	176	105	71	17	11	6
European studies	205	68	137	27	11	16	4	1	3
Area studies, other	401	145	256	23	15	8	3	1	2
Ethnic and cultural studies, total	530	153	377	74	30	44	12	7	5
Afro-American (black) studies	155	61	94	25	12	13	3	1	2
Hispanic-American studies	53	25	28	11	3	8	0	0	0
Women's studies	148	2	146	8	0	8	2	0	2
Ethnic and cultural studies, other	174	65	109	30	15	15	7	6	1
Area, ethnic and cultural studies, other	95	41	54	135	118	17	12	7	5
Biological sciences/life sciences, total	36,755	18,245	18,510	4,784	2,423	2,361	3,629	2,349	1,280
Biology, general	26,838	13,187	13,651	1,981	1,011	970	576	359	217
Biochemistry and biophysics	2,060	1,144	916	248	142	106	533	362	171
Botany, total	234	123	111	292	146	146	255	177	78
Botany, general	216	113	103	176	91	85	153	97	56
Plant pathology	11	7	4	94	48	46	72	55	17
Botany, other	7	3	4	22	7	15	30	25	5
Cell and molecular biology, total	657	374	283	77	42	35	192	124	68
Cell biology	60	23	37	25	13	12	52	36	16

Table 33.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	345	207	138	39	23	16	113	72	41
Cell and molecular biology, other	252	144	108	13	6	7	27	16	11
Microbiology/bacteriology	2,014	922	1,092	357	165	192	386	233	153
Miscellaneous biological specializations, total	1,566	703	863	933	370	563	735	455	280
Anatomy	47	23	24	61	35	26	109	62	47
Ecology	370	200	170	147	82	65	85	58	27
Marine biology	234	132	102	68	40	28	38	30	8
Neurosciences	112	65	47	14	10	4	82	51	31
Nutritional sciences	229	31	198	258	40	218	98	42	56
Toxicology	88	38	50	44	20	24	55	44	11
Genetics, plant and animal	214	98	116	125	44	81	145	89	56
Biometrics and biostatistics	26	9	17	103	39	64	41	28	13
Miscellaneous biological specializations, other	246	107	139	113	60	53	82	51	31
Zoology, total	2,580	1,359	1,221	725	456	269	786	531	255
Zoology, general	2,095	1,095	1,000	224	133	91	190	139	51
Entomology	92	68	24	155	117	38	137	109	28
Pathology, human and animal	22	8	14	52	29	23	103	64	39
Pharmacology, human and animal	21	13	8	44	21	23	191	120	71
Physiology, human and animal	350	175	175	250	156	94	161	98	63
Zoology, other	0	0	0	0	0	0	4	1	3
Biological/life sciences, other	806	433	373	171	91	80	166	108	58
Business management and administrative services and marketing operations/marketing and distribution, total	243,021	129,552	113,469	69,230	45,980	23,250	1,063	810	253
Business management and administrative services, total	238,230	127,953	110,277	69,115	45,924	23,191	1,062	810	252
Business, general	41,102	22,372	18,730	11,626	7,897	3,729	210	174	36
Business administration and management, total	70,875	38,557	32,318	37,708	25,451	12,257	541	417	124
Office supervision and management	1,287	131	1,156	6	0	6	0	0	0
Operations management and supervision	1,188	935	253	201	161	40	3	3	0
Business administration and management, other	68,400	37,491	30,909	37,501	25,290	12,211	538	414	124
Accounting	43,277	20,500	22,777	3,139	1,764	1,375	57	35	22
Administrative and secretarial services	671	53	618	2	0	2	0	0	0
Business/managerial economics	3,448	2,306	1,142	175	120	55	36	28	8
Enterprise management and operation	56	38	18	8	7	1	0	0	0
Financial management and services, total	27,150	17,629	9,521	5,485	3,858	1,627	47	40	7
Finance, general	26,148	17,014	9,134	5,258	3,703	1,555	43	36	7
Actuarial sciences	192	115	77	29	14	15	0	0	0
Banking and financial support services	13	5	8	0	0	0	0	0	0
Insurance and risk management	562	354	208	31	21	10	4	4	0
Investments and securities	235	141	94	167	120	47	0	0	0
Hospitality services management	5,083	2,696	2,387	253	163	90	1	1	0
Human resources management, total	4,776	2,260	2,516	1,796	911	885	51	30	21
Human resources management	3,127	1,468	1,659	1,046	545	501	16	8	8
Labor/industrial relations and studies	1,065	530	535	609	309	300	11	8	3
Organizational behavior studies	584	262	322	141	57	84	24	14	10
International business	1,255	525	730	1,709	1,128	581	6	5	1
Business information systems, total	3,810	2,206	1,604	1,055	761	294	4	3	1
Management information systems and data processing, general	3,682	2,123	1,559	1,055	761	294	4	3	1
Business information systems, other	128	83	45	0	0	0	0	0	0
Quantitative methods and management science	1,383	791	592	180	132	48	10	8	2
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	1,383	791	592	180	132	48	10	8	2
Marketing management and research	30,353	14,983	15,370	1,976	1,017	959	47	32	15
Real estate	835	595	240	195	151	44	1	1	0
Taxation	0	0	0	832	559	273	0	0	0
Consumer and personal services	39	34	5	0	0	0	0	0	0
Business management and administrative services, other	4,117	2,408	1,709	2,976	2,005	971	51	36	15
Marketing operations/marketing and distribution, total	4,791	1,599	3,192	115	56	59	1	0	1
Apparel and accessories marketing operations	1,790	94	1,696	2	0	2	1	0	1
Business and personal services marketing operations	775	428	347	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	1,500	742	758	11	6	5	0	0	0
Tourism and travel services marketing operations	222	39	183	58	17	41	0	0	0
Marketing operations/marketing and distribution, other	504	296	208	44	33	11	0	0	0
Communications and communications technologies, total	46,649	18,527	28,122	3,925	1,568	2,357	234	134	100
Communications, total	45,410	17,857	27,553	3,678	1,446	2,232	230	132	98
Communications, general	21,451	8,070	13,381	1,452	562	890	172	96	76
Advertising	2,745	957	1,788	222	89	133	1	0	1
Journalism and mass communications, total	11,989	4,345	7,644	1,077	421	656	22	15	7
Journalism	11,052	3,926	7,126	1,035	400	635	22	15	7
Broadcast journalism	937	419	518	42	21	21	0	0	0
Public relations and organizational communications	1,453	481	972	94	22	72	0	0	0
Radio and television broadcasting	5,404	3,004	2,400	238	113	125	15	12	3
Communications, other	2,368	1,000	1,368	595	239	356	20	9	11
Communications technologies, total	1,239	670	569	247	122	125	4	2	2
Photographic technology	28	16	12	1	1	0	0	0	0
Radio and television technology/technician	1,136	605	531	182	96	86	3	1	2
Communications technologies/technicians, other	75	49	26	64	25	39	1	1	0

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Table 33.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, total	34,523	23,331	11,192	9,197	6,726	2,471	428	380	48
Computer and information sciences, general	27,122	18,792	8,330	7,607	5,684	1,923	405	365	40
Computer programming	303	246	57	120	94	26	0	0	0
Data processing technology/technician	700	410	290	25	16	9	0	0	0
Information science and systems	4,491	2,677	1,814	1,067	662	405	17	10	7
Computer systems analysis	383	220	163	93	72	21	1	0	1
Computer and information sciences, other	1,524	986	538	285	198	87	5	5	0
Education, total	91,112	20,988	70,124	76,566	19,108	57,458	6,060	2,739	3,321
Education, general	2,113	407	1,706	7,739	2,022	5,717	949	417	532
Bilingual/bicultural education	308	119	189	387	137	250	55	30	25
Curriculum and instruction	329	17	312	3,605	704	2,901	663	245	418
Education administration and supervision, total	9	0	9	9,586	4,008	5,578	1,870	956	914
Education administration and supervision, general	1	0	1	6,048	2,623	3,425	1,310	687	623
Administration of special education	3	0	3	16	3	13	11	2	9
Adult and continuing education administration	0	0	0	142	44	98	38	18	20
Educational supervision	0	0	0	805	251	554	29	9	20
Elementary and secondary education administration	5	0	5	1,684	723	961	51	32	19
Higher education administration	0	0	0	268	100	168	299	138	161
Community college education administration	0	0	0	98	49	49	5	1	4
Educational administration and supervision, other	0	0	0	525	215	310	127	69	58
Educational/instructional media design	22	10	12	827	213	614	28	14	14
Educational evaluation, research and statistics, total	19	5	14	149	44	105	130	63	67
Educational evaluation and research	14	2	12	72	23	49	69	29	40
Educational statistics and research methods	5	3	2	27	11	16	32	19	13
Educational assessment, testing and measurement	0	0	0	50	10	40	29	15	14
Social and philosophical foundations of education	0	0	0	175	57	118	136	60	76
Special education, total	6,573	478	6,095	8,581	1,026	7,555	217	55	162
Special education, general	4,267	346	3,921	6,546	793	5,753	194	48	146
Education of the deaf and hearing impaired	201	4	197	180	17	163	1	0	1
Education of the gifted and talented	3	0	3	175	15	160	1	0	1
Education of the emotionally handicapped	166	12	154	200	37	163	1	0	1
Education of the mentally handicapped	620	41	579	160	21	139	3	2	1
Education of the multiple handicapped	54	2	52	109	18	91	0	0	0
Education of the physically handicapped	24	2	22	36	1	35	0	0	0
Education of the blind and visually handicapped	22	1	21	44	13	31	0	0	0
Education of the specific learning disabled	340	22	318	570	46	524	6	1	5
Education of the speech impaired	513	22	491	263	14	249	0	0	0
Special education, other	363	26	337	298	51	247	11	4	7
Counselor education/counseling and guidance services	76	25	51	9 277	2,211	7,066	442	193	249
General teacher education, total	48,261	4,514	43,747	18,261	2,715	15,546	430	162	268
Adult and continuing education	92	42	50	612	172	440	110	53	57
Elementary education	39,547	2,830	36,717	11,053	918	10,135	97	23	74
Junior high/intermediate/middle school education	693	123	570	455	56	399	0	0	0
Pre-elementary/early childhood/kindergarten education	4,071	82	3,989	1,514	47	1,467	24	3	21
Secondary education	3,532	1,390	2,142	3,408	1,202	2,206	102	45	57
General teacher education, other	326	47	279	1,219	320	899	97	38	59
Teacher education, academic and vocational programs	32,550	15,150	17,400	15,005	5,143	9,862	839	412	427
Agricultural education (vocational)	575	445	130	292	230	62	21	20	1
Art education	1,022	220	802	441	93	348	33	13	20
Business education (vocational)	1,941	404	1,537	541	93	448	24	16	8
Driver and safety education	41	34	7	95	80	15	3	3	0
English education	1,477	302	1,175	453	124	329	33	11	22
Foreign languages education	266	42	224	143	30	113	35	9	26
Health education	1,627	358	1,269	690	149	541	77	25	52
Home economics education (vocational)	539	4	535	198	0	198	12	0	12
Technology/industrial arts education	2,111	1,884	227	627	507	120	41	27	14
Marketing operations/marketing and distributive education	242	87	155	13	3	10	1	0	1
Mathematics education	1,646	588	1,058	626	201	425	21	7	14
Music education	2,919	1,208	1,711	859	369	490	64	40	24
Physical education and coaching	12,216	6,395	5,821	3,501	1,765	1,736	211	118	93
Reading education	189	14	175	3,153	171	2,982	55	8	47
Science education	1,415	677	738	800	334	466	38	23	15
Social science education	697	330	367	138	46	92	2	1	1
Social studies education	1,265	736	529	180	99	81	6	4	2
Technical education (vocational)	287	209	78	163	90	73	40	17	23
Trade and industrial education (vocational)	1,164	905	259	579	290	289	56	36	20
Teacher education, academic and vocational programs, other	911	308	603	1,513	469	1,044	66	34	32
Teaching English as a second language/foreign language	42	9	33	624	151	473	5	1	4
Education, other	810	254	556	2,350	677	1,673	296	131	165
Engineering and engineering-related technologies, total	88,506	76,372	12,134	23,385	20,476	2,909	4,191	3,898	293
Engineering, total	69,380	58,742	10,638	22,627	19,837	2,790	4,174	3,881	293
Engineering, general	2,590	2,111	479	1,050	922	128	275	261	14
Aerospace, aeronautical, and astronautical engineering	3,092	2,794	298	797	734	63	141	134	7
Agricultural engineering	460	423	37	185	167	18	60	57	3
Architectural engineering	461	397	64	31	29	2	0	0	0
Bioengineering and biomedical engineering	642	434	208	306	217	89	77	63	14

Table 33.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	332	229	103	96	73	23	25	24	1
Chemical engineering	3,917	2,864	1,053	1,088	901	187	579	526	53
Civil engineering, general	7,488	6,429	1,059	2,836	2,512	324	481	455	26
Computer engineering	2,115	1,799	316	760	660	100	77	71	6
Electrical, electronics, and communications engineering	23,597	20,425	3,172	6,688	5,974	714	860	818	42
Engineering mechanics	286	253	33	182	166	16	81	77	4
Engineering physics	340	302	38	54	50	4	24	24	0
Engineering science	306	240	66	268	245	23	42	29	13
Environmental/environmental health engineering	135	97	38	267	184	83	39	29	10
Geological engineering	170	129	41	68	58	10	6	5	1
Geophysical engineering	52	36	16	17	15	2	1	1	0
Industrial/manufacturing engineering	4,082	2,886	1,196	1,815	1,491	324	162	140	22
Materials engineering	418	305	113	410	317	93	226	204	22
Mechanical engineering	14,900	13,182	1,718	3,329	3,050	279	596	571	25
Metallurgical engineering	453	353	100	221	186	35	104	97	7
Mining and mineral engineering	227	199	28	82	81	1	11	11	0
Naval architecture and marine engineering	371	349	22	41	40	1	4	4	0
Nuclear engineering	296	264	32	212	196	16	97	94	3
Ocean engineering	95	80	15	90	85	5	22	22	0
Petroleum engineering	667	611	56	216	198	18	35	33	2
Systems engineering	313	245	68	242	191	51	24	19	5
Textile sciences and engineering	21	12	9	20	12	8	2	2	0
Engineering, other	1,554	1,294	260	1,256	1,083	173	123	110	13
Engineering-related technologies, total	19,126	17,630	1,496	758	639	119	17	17	0
Architectural engineering technologies	808	749	59	20	16	4	0	0	0
Civil engineering/civil technology	460	417	43	2	2	0	0	0	0
Electrical and electronic engineering-related technologies	5,323	5,009	314	46	38	8	0	0	0
Electromechanical instrumentation and maintenance technologies	171	159	12	6	6	0	1	1	0
Environmental control technologies	150	114	36	34	22	12	0	0	0
Industrial production technologies	4,898	4,400	498	180	150	30	6	6	0
Quality control and safety technologies	245	199	46	156	127	29	0	0	0
Mechanical engineering-related technologies	2,611	2,465	146	0	0	0	0	0	0
Mining and petroleum engineering technologies	41	39	2	4	3	1	3	3	0
Surveying	93	85	8	25	23	2	7	7	0
Mechanics and repairers	197	190	7	0	0	0	0	0	0
Construction trades	47	40	7	0	0	0	0	0	0
Engineering-related technologies, other	4,082	3,764	318	285	252	33	0	0	0
English language and literature/letters, total	38,661	12,836	25,825	5,562	1,870	3,692	981	428	553
English language and literature, general	27,768	8,897	18,871	3,878	1,288	2,590	687	302	385
Comparative literature	555	149	406	196	74	122	123	48	75
English composition	182	66	116	4	1	3	5	1	4
English creative writing	481	185	296	451	183	268	3	2	1
American literature (United States)	35	18	17	3	1	2	6	3	3
English literature (British and Commonwealth)	1,296	416	880	189	66	123	65	23	42
Speech and rhetorical studies	7,137	2,696	4,441	587	182	405	69	37	32
English technical and business writing	117	36	81	69	17	52	0	0	0
English language and literature/letters, other	1,090	373	717	185	58	127	23	12	11
Foreign languages and literatures, total	10,926	3,053	7,873	2,469	844	1,625	602	282	320
Foreign languages and literatures, total	1,170	331	839	764	275	489	182	90	92
Foreign languages and literatures, general	694	202	492	237	75	162	44	18	26
Linguistics	476	129	347	527	200	327	138	72	66
East and southeast asian languages and literatures, total	316	141	175	61	25	36	17	9	8
Chinese	103	44	59	31	11	20	9	3	6
Japanese	144	60	84	9	4	5	1	1	0
East and southeast asian languages, other	69	37	32	21	10	11	7	5	2
East european languages and literatures, total	536	205	331	117	49	68	15	7	8
Russian	472	173	299	54	21	33	8	5	3
Slavic languages (other than Russian)	64	32	32	63	28	35	7	2	5
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages and literatures, total	1,395	505	890	260	95	165	74	33	41
German	1,350	487	863	244	90	154	71	31	40
Scandinavian languages	31	10	21	10	2	8	1	1	0
Germanic languages, other	14	8	6	6	3	3	2	1	1
South asian languages and literatures	3	2	1	2	1	1	3	2	1
Romance languages and literatures, total	6,802	1,551	5,251	1,069	288	781	205	72	133
French	3,082	589	2,493	437	102	335	89	29	60
Italian	224	50	174	45	18	27	7	3	4
Portuguese	20	7	13	2	1	1	0	0	0
Spanish	3,416	898	2,518	553	159	394	93	32	61
Romance languages, other	60	7	53	32	8	24	16	8	8
Middle eastern languages and literatures, total	44	22	22	49	31	18	22	18	4
Arabic	9	6	3	4	2	2	0	0	0
Hebrew	28	13	15	30	18	12	11	9	2
Middle eastern languages, other	7	3	4	15	11	4	11	9	2

Table 33.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classical and ancient near eastern languages and literatures, total	526	255	271	125	66	59	53	30	23
Classics and classical languages	405	192	213	98	53	45	53	30	23
Greek (ancient and medieval)	33	19	14	10	5	5	0	0	0
Latin (ancient and medieval)	88	44	44	17	8	9	0	0	0
Foreign languages and literatures, other	134	41	93	22	14	8	31	21	10
Health professions and related sciences, total	60,644	8,929	51,715	18,657	4,047	14,610	1,261	548	713
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services, total	2,498	109	2,389	2,820	158	2,662	81	29	52
Sign language interpreter	15	2	13	0	0	0	0	0	0
Communication disorders sciences and services, other	2,483	107	2,376	2,820	158	2,662	81	29	52
Community health liason	606	92	514	258	59	199	3	2	1
Dentistry specialties	150	79	71	416	314	102	17	9	8
Dental services	727	7	720	12	2	10	0	0	0
Health and medical administrative services, total	3,261	639	2,622	2,873	1,038	1,835	33	15	18
Health care and services administration	2,326	522	1,804	2,370	888	1,482	21	9	12
Medical records administration	701	40	661	0	0	0	0	0	0
Medical records technology/technician	18	1	17	0	0	0	0	0	0
Health and medical administrative services, other	216	76	140	503	150	353	12	6	6
Health and medical assistants, total	584	228	356	55	12	43	0	0	0
Medical assistant	20	11	9	14	1	13	0	0	0
Physician assistant	556	215	341	41	11	30	0	0	0
Veterinarian assistant/animal health technician	8	2	6	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	1,019	350	669	33	23	10	0	0	0
Respiratory therapy technology/technician	257	90	167	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	762	260	502	33	23	10	0	0	0
Health and medical laboratory technologies/technicians, total	2,958	643	2,315	1,350	491	859	153	58	95
Medical technology	2,541	537	2,004	100	29	71	1	0	1
Health and medical laboratory technologies/technicians, other	417	106	311	1,250	462	788	152	58	94
Health and medical preparatory programs, total	777	528	249	1	0	1	0	0	0
Pre-dentistry studies	105	83	22	0	0	0	0	0	0
Pre-medicine studies	591	405	186	1	0	1	0	0	0
Pre-pharmacy studies	1	1	0	0	0	0	0	0	0
Pre-veterinary studies	80	39	41	0	0	0	0	0	0
Medicine	64	38	26	3	1	2	15	11	4
Medical basic sciences	84	31	53	200	108	92	86	46	40
Mental health services, total	162	29	133	189	51	138	4	2	2
Alcohol/drug abuse counseling	35	15	20	18	9	9	0	0	0
Psychiatric/mental health services technician	75	7	68	73	15	58	0	0	0
Clinical and medical social work	47	7	40	75	21	54	0	0	0
Mental health services, other	5	0	5	23	6	17	4	2	2
Nursing	31,929	1,649	30,280	6,540	508	6,032	283	27	256
Optometry	214	112	102	3	1	2	5	3	2
Osteopathic medicine	1	0	1	1	0	1	0	0	0
Pharmacy	5,360	2,282	3,078	244	142	102	178	118	60
Epidemiology	0	0	0	236	99	137	38	15	23
Rehabilitative/therapeutic services, total	6,202	1,036	5,166	1,779	360	1,419	27	14	13
Art therapy	34	1	33	116	9	107	0	0	0
Dance therapy	3	1	2	35	1	34	0	0	0
Music therapy	179	19	160	29	6	23	0	0	0
Occupational therapy	1,963	147	1,816	332	23	309	2	0	2
Orthotics/prosthetics	8	8	0	0	0	0	0	0	0
Physical therapy	3,402	753	2,649	664	154	510	5	3	2
Recreational therapy	152	24	128	5	1	4	1	0	1
Vocational rehabilitation counseling	217	34	183	492	132	360	12	6	6
Rehabilitative services, other	244	49	195	106	34	72	7	5	2
Veterinary medicine	330	144	186	132	70	62	69	43	26
Miscellaneous health professions	36	13	23	38	13	25	0	0	0
Health professions and related sciences, other	3,682	920	2,762	1,474	597	877	269	156	113
Home economics and vocational home economics, total	14,320	1,188	13,132	2,047	246	1,801	307	82	225
Home economics, total	13,238	939	12,299	1,978	235	1,743	270	77	193
Home economics, general	3,658	156	3,502	407	11	396	36	4	32
Business home economics	182	10	172	0	0	0	0	0	0
Family and community studies	181	17	164	28	6	22	0	0	0
Family/consumer resource management	660	142	518	40	3	37	16	7	9
Foods and nutrition studies	2,852	251	2,601	611	55	556	58	17	41
Housing studies	683	73	610	39	10	29	0	0	0
Individual and family development studies	2,558	173	2,385	732	145	587	136	46	90
Clothing/apparel and textile studies	2,323	111	2,212	93	1	92	11	1	10
Home economics, other	141	6	135	28	4	24	13	2	11
Vocational home economics, total	1,082	249	833	69	11	58	37	5	32
Consumer and homemaking education	355	11	344	44	8	36	37	5	32
Custodial, housekeeping and home services workers and managers	77	24	53	18	3	15	0	0	0
Vocational home economics, other	650	214	436	7	0	7	0	0	0
Law and legal studies, total	1,303	413	890	1,880	1,386	494	89	66	23
Law, general	3	1	2	1,000	752	248	31	25	6

Table 33.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Pre-law studies	275	159	116	0	0	0	0	0	0
Paralegal/legal assistant	471	61	410	2	1	1	0	0	0
Law and legal studies, other	554	192	362	878	633	245	58	41	17
Liberal arts and sciences, general studies, and humanities, total	24,274	10,387	13,887	1,814	687	1,127	66	39	27
Liberal arts and sciences/liberal studies	12,831	5,870	6,961	1,197	483	714	19	8	11
Humanities/humanistic studies	2,484	888	1,596	460	169	291	35	23	12
Liberal arts and sciences, general studies, other	8,959	3,629	5,330	157	35	122	12	8	4
Library science, total	119	17	102	3,674	780	2,894	46	22	24
Library science/librarianship	118	17	101	3,648	775	2,873	44	20	24
Library science, other	1	0	1	26	5	21	2	2	0
Mathematics, total	16,608	8,919	7,689	3,867	2,391	1,476	796	668	128
Mathematics, general	13,607	7,163	6,444	2,350	1,401	949	516	430	86
Applied mathematics, total	1,991	1,150	841	883	612	271	129	117	12
Applied mathematics	1,095	639	456	429	273	156	83	74	9
Operations research (quantitative methods)	896	511	385	454	339	115	46	43	3
Mathematical statistics	440	246	194	580	340	240	140	111	29
Mathematics, other	570	360	210	54	38	16	11	10	1
Multi/interdisciplinary studies, total	14,723	7,298	7,425	2,575	1,590	985	224	144	80
Biological and physical sciences	2,151	1,261	890	253	133	120	17	10	7
Systems science and theory	29	10	19	891	738	153	7	6	1
Museum studies/museology	4	0	4	36	10	26	0	0	0
Multi/interdisciplinary studies, other	12,539	6,027	6,512	1,395	709	686	200	128	72
Parks, recreation, leisure and fitness studies, total	4,235	1,744	2,491	544	238	306	29	19	10
Parks, recreation and leisure studies	1,770	708	1,062	197	85	112	15	10	5
Parks, recreation and leisure facilities management	1,946	793	1,153	198	85	113	9	5	4
Health and physical education/fitness	157	63	94	83	33	50	0	0	0
Parks, recreation, leisure and fitness studies, other	362	180	182	56	35	31	5	4	1
Philosophy and religion, total	5,963	3,855	2,108	1,099	677	422	405	306	99
Philosophy	3,565	2,411	1,154	465	339	126	222	172	50
Religion/religious studies	2,173	1,297	876	532	298	234	176	128	48
Philosophy and religion, other	225	147	78	102	40	62	7	6	1
Physical sciences and science technologies, total	17,806	12,389	5,417	5,733	4,324	1,409	3,809	3,123	686
Physical sciences, total	17,709	12,329	5,380	5,648	4,274	1,374	3,797	3,114	683
Physical sciences, general	477	331	146	36	20	16	1	1	0
Astronomy	92	77	15	64	49	15	76	63	13
Astrophysics	33	29	4	21	19	2	20	18	2
Atmospheric science and meteorology	348	291	57	191	155	36	76	64	12
Chemistry, total	9,052	5,452	3,600	1,708	1,158	550	1,995	1,552	443
Chemistry, general	8,826	5,304	3,522	1,567	1,060	507	1,847	1,440	407
Analytical chemistry	0	0	0	8	6	2	9	6	3
Inorganic chemistry	0	0	0	6	4	2	15	10	5
Organic chemistry	9	6	3	20	14	6	20	15	5
Medicinal/pharmaceutical chemistry	9	4	5	37	24	13	51	38	13
Chemistry, other	208	138	70	70	50	20	53	43	10
Geological and related sciences, total	2,551	1,930	621	1,523	1,146	377	350	287	63
Geology	2,374	1,788	586	1,283	968	315	273	223	50
Geochemistry	3	2	1	13	8	5	4	3	1
Geophysics and seismology	84	71	13	101	79	22	44	42	2
Geological sciences, other	90	69	21	126	91	35	29	19	10
Miscellaneous physical sciences, total	704	524	180	316	214	102	134	106	28
Metallurgy	8	4	4	22	21	1	8	7	1
Oceanography	148	121	27	105	73	32	85	65	20
Earth science	509	369	140	100	58	42	27	23	4
Miscellaneous physical sciences, other	39	30	9	89	62	27	14	11	3
Physics, total	4,100	3,488	612	1,675	1,423	252	1,093	982	111
Physics, general	3,970	3,375	595	1,555	1,329	226	1,018	917	101
Physics, other	130	113	17	120	94	26	75	65	10
Physical sciences, other	352	207	145	114	90	24	52	41	11
Science technologies, total	97	60	37	85	50	35	12	9	3
Precision production trades, total	481	308	173	4	3	1	0	0	0
Drafting, general	175	146	29	0	0	0	0	0	0
Precision production trades, other	306	162	144	4	3	1	0	0	0
Protective services, total	13,367	8,352	5,015	1,024	727	297	32	23	9
Criminal justice and corrections, total	13,206	8,207	4,999	1,022	725	297	32	23	9
Corrections/correctional administration	522	255	267	99	63	36	0	0	0
Criminal justice/law enforcement administration	3,454	2,175	1,279	342	252	90	0	0	0
Criminal justice studies	6,844	4,200	2,644	500	364	136	32	23	9
Forensic technology/technician	239	102	137	18	10	8	0	0	0
Law enforcement/police science	1,294	955	339	43	23	20	0	0	0
Criminal justice and corrections, other	853	520	333	20	13	7	0	0	0
Fire protection	130	127	3	2	2	0	0	0	0
Protective services, other	31	18	13	0	0	0	0	0	0
Psychology, total	45,187	13,538	31,649	9,180	2,923	6,257	3,480	1,573	1,907
Psychology, general	42,204	12,618	29,586	3,886	1,302	2,584	1,565	753	812
Clinical psychology	72	11	61	767	240	527	858	373	485
Counseling psychology	167	48	119	1,884	534	1,350	177	85	92
Developmental and child psychology	249	24	225	58	13	45	33	13	20

Table 33.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1987–88—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Experimental psychology	186	60	126	41	17	24	92	38	54
Industrial and organizational psychology	132	56	76	410	205	205	37	18	19
Physiological psychology	123	49	74	6	3	3	30	11	19
Psychometrics and quantitative psychology	1	1	0	9	3	6	2	0	2
Social psychology	585	229	356	44	16	28	32	11	21
School psychology	184	41	143	1,308	330	978	493	210	283
Psychology, other	1,284	401	883	767	260	507	161	61	100
Public administration and services, total	12,385	2,923	9,462	16,424	5,631	10,793	470	238	232
Community organization, resources and services	997	251	746	146	50	96	8	4	4
Public administration	2,313	1,249	1,064	5,669	3,322	2,347	121	78	43
Public policy analysis	208	102	106	433	229	204	93	59	34
Social work	8,471	1,163	7,308	9,401	1,745	7,656	226	89	137
Public administration and services, other	396	158	238	775	285	490	22	8	14
R.O.T.C. and military technologies, total	82	74	8	49	48	1	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	82	74	8	49	48	1	0	0	0
Military technologies, total	0	0	0	0	0	0	0	0	0
Social sciences and history, total	100,460	56,377	44,083	10,412	6,310	4,102	2,781	1,849	932
Social sciences, general	4,766	2,062	2,704	449	212	237	29	19	10
Anthropology	2,909	1,072	1,837	696	295	401	304	149	155
Archeology	88	28	60	45	19	26	20	13	7
Criminology	1,180	687	493	76	49	27	2	2	0
Demography and population studies	14	7	7	30	13	17	9	7	2
Economics	22,911	15,412	7,499	1,847	1,377	470	770	619	151
Geography, total	2,969	2,065	904	572	362	210	135	99	36
Geography	2,944	2,045	899	569	361	208	135	99	36
Cartography	25	20	5	3	1	2	0	0	0
History	18,207	11,388	6,819	2,093	1,268	825	517	325	192
International relations and affairs	4,375	1,956	2,419	1,325	879	446	63	50	13
Political science and government, general	27,207	16,297	10,910	1,579	1,056	523	391	305	86
Sociology	13,024	4,065	8,959	984	424	560	452	210	242
Urban affairs/studies	548	285	263	292	159	133	40	20	20
Social sciences and history, other	2,262	1,053	1,209	424	197	227	49	31	18
Theological studies and religious vocations, total	5,565	4,173	1,392	4,905	3,251	1,654	1,199	1,072	127
Biblical and other theological languages and literatures	19	19	0	15	13	2	0	0	0
Bible/biblical studies	1,922	1,483	439	306	252	54	28	28	0
Missions/missionary studies and missiology	242	164	78	193	135	58	26	25	1
Religious education	915	516	399	909	475	434	38	26	12
Religious/sacred music	181	97	84	100	63	37	5	4	1
Theology and theological studies	1,514	1,245	269	2,125	1,483	642	891	801	90
Pastoral counseling and specialized ministries	2	0	2	91	52	39	0	0	0
Theological studies and religious vocations, other	770	649	121	1,166	778	388	211	188	23
Transportation and material moving workers, total	1,983	1,809	174	679	635	44	0	0	0
Water transportation workers	268	254	14	0	0	0	0	0	0
Transportation and material moving, other	1,715	1,555	160	679	635	44	0	0	0
Visual and performing arts, total	36,944	14,068	22,876	7,939	3,442	4,497	727	424	303
Visual and performing arts, general	1,739	628	1,111	191	66	125	3	0	3
Crafts, folk art and artisanry	100	38	62	9	3	6	0	0	0
Dance	623	79	544	174	23	151	6	1	5
Design and applied art	5,292	1,887	3,405	257	114	143	2	0	2
Dramatic/theater arts and stagecraft	4,628	1,913	2,715	1,123	564	559	73	36	37
Film/video and photographic arts, total	1,807	1,113	694	226	130	96	1	0	1
Film-video making/cinematography and production	716	485	231	130	74	56	1	0	1
Photography	657	342	315	70	43	27	0	0	0
Film/video and photographic arts, other	434	286	148	26	13	13	0	0	0
Fine arts and art studies, total	15,412	4,873	10,539	2,704	986	1,718	139	51	88
Art, general	9,809	3,253	6,556	1,484	560	924	28	14	14
Art history, criticism and conservation	1,910	372	1,538	394	87	307	97	31	66
Arts management	91	18	73	70	26	44	1	0	1
Painting	711	243	468	173	81	92	0	0	0
Ceramic arts and ceramics	115	47	68	42	21	21	0	0	0
Fiber, textile and weaving arts	107	7	100	26	2	24	0	0	0
Metal and jewelry arts	66	9	57	19	9	10	0	0	0
Fine arts and art studies, other	2,603	924	1,679	496	200	296	13	6	7
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,708	3,263	3,445	3,183	1,517	1,666	502	335	167
Music, general	3,248	1,493	1,755	1,030	471	559	209	132	77
Music history and literature	64	30	34	55	30	25	33	21	12
Music, general performance	2,382	1,126	1,256	1,628	764	864	166	111	55
Music theory and composition	203	132	71	125	77	48	54	39	15
Music, other	811	482	329	345	175	170	40	32	8
Visual and performing arts, other	635	274	361	72	39	33	1	1	0
Not classified by field of study	1,801	1,131	670	4,144	1,873	2,271	579	336	243

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared September, 1993.)

Table 34.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1988–89

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,018,755**	**483,348**	**535,409**	**310,621**	**149,354**	**161,267**	**35,720**	**22,648**	**13,072**
Agriculture and natural resources, total	13,492	9,298	4,194	3,245	2,231	1,014	1,183	950	233
Agricultural business and production, total	4,736	3,577	1,159	654	495	159	203	162	41
Agricultural business and management, total	3,448	2,669	779	510	396	114	160	129	31
Agricultural business and management, general	339	270	69	27	19	8	1	1	0
Agricultural business/agribusiness operations	1,222	951	271	24	20	4	0	0	0
Agricultural economics	1,750	1,329	421	452	351	101	159	128	31
Agricultural business and management, other	137	119	18	7	6	1	0	0	0
Agricultural mechanization	233	230	3	15	14	1	0	0	0
Agricultural production workers and managers	93	72	21	26	23	3	13	12	1
Horticulture service operations and management, total	339	236	103	37	18	19	17	13	4
International agriculture	24	15	9	12	11	1	0	0	0
Agricultural business and production, other	599	355	244	54	33	21	13	8	5
Agricultural sciences, total	5,921	3,554	2,367	1,680	1,102	578	751	598	153
Agriculture/agricultural sciences, general	977	687	290	176	121	55	21	17	4
Animal sciences, total	2,803	1,499	1,304	462	287	175	210	167	43
Animal sciences, general	2,369	1,226	1,143	344	208	136	160	123	37
Agricultural animal breeding and genetics	14	8	6	4	2	2	7	6	1
Agricultural animal health	15	3	12	12	5	7	2	2	0
Agricultural animal nutrition	1	1	0	8	7	1	13	10	3
Dairy science	152	120	32	40	26	14	14	13	1
Poultry science	97	77	20	27	22	5	6	5	1
Animal sciences, other	155	64	91	27	17	10	8	8	0
Food sciences and technology	558	230	328	300	141	159	112	82	30
Plant sciences, total	1,383	990	393	587	443	144	317	257	60
Plant sciences, general	216	149	67	66	53	13	33	23	10
Agronomy and crop science	548	480	68	287	231	56	196	166	30
Horticulture science	495	275	220	155	99	56	63	47	16
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricutural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	20	16	4	19	12	7	0	0	0
Range science and management	67	44	23	50	40	10	18	15	3
Plant sciences, other	37	26	11	10	8	2	7	6	1
Soil sciences	103	81	22	107	75	32	57	49	8
Agricultural sciences, other	97	67	30	48	35	13	34	26	8
Conservation and renewable natural resources, total	2,835	2,167	668	911	634	277	229	190	39
Natural resources conservation, general	771	519	252	211	131	80	33	25	8
Natural resources management and policy	201	148	53	22	18	4	0	0	0
Fishing and fisheries sciences and management	135	112	23	92	66	26	28	24	4
Forest harvesting and production technology/technician	213	184	29	34	27	7	16	16	0
Forestry, general	817	683	134	422	300	122	119	101	18
Wildlife and wildlands management	664	496	168	117	85	32	15	9	6
Conservation and renewable natural resources, other	34	25	9	13	7	6	18	15	3
Architecture and environmental design, total	9,150	5,545	3,605	3,383	2,192	1,191	86	63	23
Architecture	5,166	3,739	1,427	1,795	1,281	514	33	21	12
City/urban, community, and regional planning	309	227	82	989	618	371	39	30	9
Architectural environmental design	734	487	247	64	32	32	4	4	0
Interior architecture	1,721	192	1,529	41	12	29	1	1	0
Landscape architecture	882	646	236	280	141	139	0	0	0
Architectural urban design and planning	1	1	0	83	53	30	0	0	0
Architecture and and related programs, other	337	253	84	131	55	76	9	7	2
Area, ethnic, and cultural studies, total	4,102	1,611	2,491	1,016	511	505	114	57	57
Area studies, total	3,323	1,336	1,987	819	395	424	98	51	47
African studies	23	10	13	11	4	7	1	1	0
American studies	1,246	444	802	215	93	122	61	26	35
Latin American studies	213	80	133	156	64	92	1	0	1
Middle Eastern studies	50	20	30	60	37	23	10	8	2
Russian and Slavic studies	256	126	130	93	48	45	1	1	0
Asian studies	722	308	414	199	111	88	17	13	4
European studies	350	169	181	48	20	28	5	1	4
Area studies, other	463	179	284	37	18	19	2	1	1
Ethnic and cultural studies, total	655	221	434	93	34	59	7	3	4
Afro-American (black) studies	177	68	109	35	15	20	0	0	0
Hispanic-American studies	59	22	37	13	2	11	0	0	0
Women's studies	157	1	156	12	0	12	1	0	1
Ethnic and cultural studies, other	262	130	132	33	17	16	6	3	3
Area and ethnic studies, other	124	54	70	104	82	22	9	3	6
Biological sciences/life sciences, total	36,059	17,953	18,106	4,961	2,492	2,469	3,520	2,234	1,286
Biology, general	26,229	12,850	13,379	2,097	1,045	1,052	527	349	178
Biochemistry and biophysics	1,978	1,107	871	244	131	113	558	354	204
Botany, total	199	96	103	297	151	146	230	141	89
Botany, general	184	89	95	185	89	96	149	87	62
Plant pathology	13	7	6	100	53	47	60	39	21
Botany, other	2	0	2	12	9	3	21	15	6
Cell and molecular biology, total	693	396	297	92	57	35	208	134	74
Cell biology	54	30	24	31	20	11	46	30	16

Table 34.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1988–89—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	383	226	157	39	29	10	117	79	38
Cell and molecular biology, other	256	140	116	22	8	14	45	25	20
Microbiology/bacteriology	1,780	844	936	411	182	229	356	228	128
Miscellaneous biological specializations, total	1,651	813	838	947	400	547	691	406	285
Anatomy	123	67	56	54	34	20	101	66	35
Ecology	417	245	172	203	121	82	68	51	17
Marine/aquatic biology	267	158	109	72	39	33	18	16	2
Neurosciences	111	63	48	25	15	10	82	54	28
Nutritional sciences	207	34	173	240	38	202	102	39	63
Toxicology	72	35	37	43	24	19	64	41	23
Genetics, plant and animal	202	102	100	115	41	74	128	69	59
Biometrics and biostatistics	16	3	13	96	44	52	40	18	22
Miscellaneous specialized areas, other	236	106	130	99	44	55	88	52	36
Zoology, total	2,582	1,341	1,241	736	445	291	744	497	247
Zoology, general	2,111	1,100	1,011	253	146	107	143	100	43
Entomology	51	39	12	147	99	48	135	110	25
Pathology, human and animal	15	6	9	52	27	25	109	69	40
Pharmacology, human and animal	18	10	8	50	26	24	169	95	74
Physiology, human and animal	387	186	201	234	147	87	186	122	64
Zoology, other	0	0	0	0	0	0	2	1	1
Biological sciences/life sciences, other	947	506	441	137	81	56	206	125	81
Business management and administrative services and marketing operations/marketing and distribution, total	246,399	131,157	115,242	73,065	48,540	24,525	1,100	800	300
Business management and administrative services, total	241,278	129,277	112,001	72,931	48,452	24,479	1,100	800	300
Business, general	41,029	21,983	19,046	12,957	8,676	4,281	185	138	47
Business administration and management, total	71,423	38,962	32,461	38,546	26,075	12,471	549	395	154
Office supervision and management	1,294	157	1,137	0	0	0	0	0	0
Operations management and supervision	1,216	949	267	116	99	17	5	5	0
Business administration and management, other	68,913	37,856	31,057	38,430	25,976	12,454	544	390	154
Accounting	43,864	20,393	23,471	3,081	1,734	1,347	72	48	24
Administrative and secretarial services	681	56	625	1	0	1	0	0	0
Business/managerial economics	3,464	2,259	1,205	174	125	49	32	23	9
Enterprise management and operation	103	77	26	6	5	1	0	0	0
Financial management and services, total	27,627	18259	9368	5,364	3880	1484	60	49	11
Finance, general	26,569	17,593	8,976	5,080	3,677	1,403	52	42	10
Actuarial sciences	201	108	93	42	28	14	0	0	0
Insurance and risk management	513	316	197	33	23	10	8	7	1
Investments and securities	344	242	102	209	152	57	0	0	0
Hospitality services management	5,690	2,982	2,708	366	201	165	5	5	0
Human resources management, total	5,156	2427	2729	1,767	782	985	55	32	23
Human resources management	3,376	1,596	1,780	973	443	530	8	3	5
Labor/personnel relations and studies	1,012	473	539	657	279	378	16	11	5
Organizational behavior studies	768	358	410	137	60	77	31	18	13
International business	1,445	622	823	1,797	1,124	673	23	18	5
Business information systems, total	3,528	2064	1464	1,013	767	246	6	4	2
Management information systems and business data processing, gener	3,422	2,008	1,414	1,013	767	246	6	4	2
Business information systems, other	106	56	50	0	0	0	0	0	0
Quantitative methods and management science, total	1,490	888	602	611	477	134	4	3	1
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	1,490	888	602	611	477	134	4	3	1
Marketing management and research	30,086	14,845	15,241	2,157	1,125	1,032	39	29	10
Real estate	1,058	764	294	223	178	45	1	1	0
Taxation	0	0	0	829	526	303	0	0	0
Consumer and personal services	106	77	29	0	0	0	0	0	0
Business management and administrative services, other	4,528	2,619	1,909	4,039	2,777	1,262	69	55	14
Marketing operations/marketing and distribution, total	5,121	1,880	3,241	134	88	46	0	0	0
Apparel and accessories marketing operations	1,683	82	1,601	0	0	0	0	0	0
Business and personal services marketing operations	837	468	369	0	0	0	0	0	0
General/retailing and wholesaling operations and skills	1,902	1,003	899	8	6	2	0	0	0
Tourism and travel services marketing operations	185	43	142	53	24	29	0	0	0
Marketing operations/marketing and distribution, other	514	284	230	73	58	15	0	0	0
Communications and communications technologies, total	48,609	19,215	29,394	4,257	1,737	2,520	253	138	115
Communications, total	47,405	18,551	28,854	3,940	1,563	2,377	247	136	111
Communications, general	22,539	8,459	14,080	1,529	574	955	181	100	81
Advertising	2,649	939	1,710	204	77	127	2	2	0
Journalism and mass communications, total	12,337	4,514	7,823	1,322	524	798	29	17	12
Journalism	11,503	4,170	7,333	1,275	495	780	29	17	12
Broadcast journalism	834	344	490	47	29	18	0	0	0
Public relations and organizational communications	1,711	517	1,194	92	21	71	0	0	0
Radio and television broadcasting	5,562	2,986	2,576	242	132	110	20	10	10
Communications, other	2,607	1,136	1,471	551	235	316	15	7	8
Communications technologies, total	1,204	664	540	317	174	143	6	2	4
Photographic technology/technician	25	12	13	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,111	614	497	246	143	103	1	1	0
Communications technologies/technicians, other	68	38	30	71	31	40	5	1	4
Computer and information sciences, total	30,454	21,087	9,367	9,414	6,775	2,639	551	466	85

Table 34.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1988–89—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	23,927	16,954	6,973	7,765	5,712	2,053	517	450	67
Computer programming	363	275	88	130	109	21	0	0	0
Data processing technology/technician	507	293	214	30	17	13	0	0	0
Information science and systems	4,112	2,541	1,571	1,073	627	446	28	11	17
Computer systems analysis	272	172	100	96	75	21	0	0	0
Computer and information sciences, other	1,273	852	421	320	235	85	6	5	1
Education, total	96,913	21,662	75,251	81,174	19,956	61,218	6,337	2,704	3,633
Education, general	2,238	418	1,820	8,778	2,221	6,557	1,047	413	634
Bilingual/bicultural education	95	8	87	158	54	104	48	27	21
Curriculum and instruction	424	35	389	4,543	970	3,573	750	266	484
Education administration and supervision, total	74	22	52	9,797	4,156	5,641	1,914	967	947
Education administration and supervision, general	68	19	49	6,054	2,695	3,359	1,357	724	633
Administration of special education	0	0	0	11	1	10	11	2	9
Adult and continuing education administration	2	0	2	173	41	132	53	20	33
Educational supervision	0	0	0	809	255	554	36	15	21
Elementary and secondary education administration	1	1	0	1,858	803	1,055	51	23	28
Higher education administration	2	2	0	258	87	171	280	131	149
Community and junior college administration	0	0	0	57	28	29	10	4	6
Education administration and supervision, other	1	0	1	577	246	331	116	48	68
Educational/instructional media design	29	9	20	779	209	570	40	18	22
Educational evaluation, research and statistics, total	14	5	9	161	62	99	130	56	74
Educational evaluation and research	14	5	9	66	24	42	62	26	36
Educational statistics and research methods	0	0	0	41	28	13	38	13	25
Educational assessment, testing and measurement	0	0	0	54	10	44	30	17	13
Social and philisophical foundations of education	0	0	0	204	78	126	135	51	84
Special education, total	6,667	440	6,227	8,791	1,031	7,760	251	45	206
Special education, general	4,384	285	4,099	6,461	762	5,699	200	37	163
Education of the deaf and hearing impaired	190	4	186	185	19	166	1	0	1
Education of the gifted and talented	2	0	2	167	17	150	4	0	4
Education of the emotionally handicapped	188	18	170	244	42	202	1	0	1
Education of the mentally handicapped	600	45	555	200	25	175	7	2	5
Education of the multiple handicapped	61	5	56	117	20	97	0	0	0
Education of the physically handicapped	53	1	52	29	3	26	3	0	3
Education of the blind and visually handicapped	15	1	14	28	5	23	0	0	0
Education of the specific learning disabled	295	29	266	731	62	669	11	2	9
Education of the speech impaired	589	27	562	216	15	201	0	0	0
Special education, other	290	25	265	413	61	352	24	4	20
Counselor education/counseling and guidance services	81	18	63	9,627	2,223	7,404	418	180	238
General teacher education, total	52,788	4,808	47,980	19,085	2,846	16,239	401	135	266
Adult and continuing education	89	30	59	620	198	422	143	44	99
Elementary education	43,423	3,134	40,289	11,690	1,054	10,636	90	15	75
Junior high/intermediate/middle school education	766	140	626	519	71	448	0	0	0
Pre-elementary education/early childhood/kindergarten education	4,480	56	4,424	1,489	23	1,466	23	4	19
Secondary education	3,647	1,413	2,234	3,490	1,196	2,294	80	44	36
General teacher education, other	383	35	348	1,277	304	973	65	28	37
Teacher education, academic and vocational programs, total	33,589	15,657	17,932	15,740	5,162	10,578	908	418	490
Agricultural education (vocational)	571	479	92	520	237	283	26	19	7
Art education	1,019	188	831	556	104	452	47	23	24
Business education (vocational)	1,860	388	1,472	560	111	449	33	10	23
Driver and safety education	48	40	8	64	46	18	2	0	2
English education	1,674	328	1,346	475	91	384	13	2	11
Foreign languages education	326	64	262	140	33	107	11	4	7
Health education	1,533	342	1,191	819	192	627	116	34	82
Home economics education (vocational)	529	4	525	195	3	192	16	2	14
Technology/industrial arts teacher education	1,946	1,681	265	668	518	150	33	23	10
Marketing operations/marketing and distribution education	265	105	160	14	3	11	0	0	0
Mathematics education	1,685	638	1,047	669	212	457	41	17	24
Music education	2,862	1,216	1,646	849	388	461	77	47	30
Physical education and coaching	12,442	6,564	5,878	3,524	1,727	1,797	204	112	92
Reading education	251	24	227	3,578	176	3,402	82	13	69
Science education, general	1,449	639	810	713	290	423	36	19	17
Social science education	840	393	447	118	45	73	2	1	1
Social studies education	1,494	909	585	240	129	111	8	6	2
Technical education (vocational)	302	220	82	158	96	62	39	18	21
Trade and industrial education (vocational)	1,211	869	342	531	271	260	46	30	16
Teacher education, academic and vocational programs, other	1,282	566	716	1,349	490	859	76	38	38
Teaching English as a second language/foreign language	33	7	26	897	215	682	4	0	4
Education, other	881	235	646	2,614	729	1,885	291	128	163
Engineering and engineering-related technologies, total	85,002	73,436	11,566	24,568	21,374	3,194	4,523	4,123	400
Engineering, total	66,099	56,069	10,030	23,740	20,652	3,088	4,506	4,107	399
Engineering, general	2,574	2,185	389	964	854	110	250	233	17
Aerospace, aeronautical, and astronautical engineering	2,945	2,645	300	862	797	65	154	147	7
Agricultural engineering	461	414	47	167	153	14	96	90	6
Architectural engineering	512	423	89	63	60	3	5	5	0
Bioengineering and biomedical engineering	672	448	224	383	291	92	81	61	20

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Table 34.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1988–89—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Ceramic sciences and engineering	275	203	72	101	73	28	25	23	2
Chemical engineering	3,663	2,561	1,102	1,093	884	209	602	522	80
Civil engineering, general	7,312	6,268	1,044	2,903	2,541	362	505	457	48
Computer engineering	2,198	1,871	327	823	697	126	74	65	9
Electrical, electronics, and communications engineering	21,908	19,080	2,828	7,028	6,227	801	998	932	66
Engineering mechanics	188	172	16	179	156	23	98	90	8
Engineering physics	337	303	34	74	64	10	43	40	3
Engineering science	262	215	47	283	238	45	51	46	5
Environmental/environmental health engineering	104	67	37	327	250	77	34	26	8
Geological engineering	127	95	32	45	41	4	4	3	1
Geophysical engineering	24	22	2	16	16	0	0	0	0
Industrial/manufacturing engineering	3,965	2,767	1,198	1,810	1,456	354	198	172	26
Materials engineering	421	305	116	453	346	107	245	208	37
Mechanical engineering	14,843	13,189	1,654	3,498	3,198	300	633	609	24
Metallurgical engineering	418	345	73	252	208	44	95	85	10
Mining and mineral engineering	99	90	9	77	70	7	33	32	1
Naval architecture and marine engineering	327	315	12	52	50	2	9	8	1
Nuclear engineering	287	252	35	246	219	27	83	78	5
Ocean engineering	97	81	16	69	64	5	15	14	1
Petroleum engineering	452	405	47	218	202	16	32	31	1
Systems engineering	285	229	56	269	224	45	21	19	2
Textile sciences and engineering	33	21	12	21	17	4	0	0	0
Engineering, other	1,310	1,098	212	1,464	1,256	208	122	111	11
Engineering-related technologies, total	18,903	17,367	1,536	828	722	106	17	16	1
Architectural engineering technologies	791	733	58	22	20	2	0	0	0
Civil engineering/civil technologies	480	447	33	0	0	0	0	0	0
Electrical and electronic engineering-related technologies	5,200	4,832	368	46	41	5	0	0	0
Electromechanical instrumentation and maintenance technologies	252	240	12	7	7	0	0	0	0
Environmental control technologies	140	113	27	74	52	22	4	4	0
Industrial production technologies	4,827	4,349	478	183	167	16	5	5	0
Quality control and safety technologies	272	209	63	179	157	22	0	0	0
Mechanical and engineering-related technologies	2,408	2,255	153	0	0	0	0	0	0
Mining and petroleum engineering technologies	52	47	5	0	0	0	0	0	0
Surveying	128	118	10	30	27	3	5	4	1
Mechanics and repairers	197	190	7	0	0	0	0	0	0
Construction trades	30	28	2	0	0	0	0	0	0
Engineering-related technologies, other	4,126	3,806	320	287	251	36	3	3	0
English language and literature/letters, total	42,470	13,927	28,543	5,950	2,002	3,948	1,022	458	564
English language and literature, general	30,374	9,604	20,770	4,123	1,384	2,739	726	314	412
Comparative literature	684	198	486	234	72	162	93	53	40
English composition	164	59	105	9	2	7	11	3	8
English creative writing	592	238	354	521	207	314	4	2	2
American literature (United States)	34	8	26	4	2	2	1	0	1
English literature (British and Commonwealth)	1,600	557	1,043	266	78	188	46	18	28
Speech and rhetorical studies	7,864	2,885	4,979	548	173	375	107	56	51
English technical and business writing	134	38	96	83	21	62	0	0	0
English language and literature/letters, other	1,024	340	684	162	63	99	34	12	22
Foreign languages and literatures, total	11,693	3,217	8,476	2,595	875	1,720	632	263	369
Foreign languages and literatures, total	1,180	327	853	821	288	533	198	82	116
Foreign languages and literatures, general	726	192	534	240	73	167	37	14	23
Linguistics	454	135	319	581	215	366	161	68	93
East and southeast asian languages and literatures, total	341	147	194	65	27	38	21	13	8
Chinese	138	55	83	27	14	13	8	7	1
Japanese	162	75	87	14	1	13	4	1	3
East and southeast asian languages, other	41	17	24	24	12	12	9	5	4
East european languages and literatures, total	535	215	320	127	59	68	16	8	8
Russian	469	186	283	55	21	34	6	3	3
Slavic (other than Russian)	66	29	37	72	38	34	10	5	5
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages and literatures, total	1,477	523	954	281	91	190	68	28	40
German	1,428	509	919	263	86	177	59	23	36
Scandinavian	32	7	25	7	2	5	2	2	0
Germanic languages, other	17	7	10	11	3	8	7	3	4
South asian languages and literatures	1	0	1	1	0	1	9	5	4
Romance languages and literatures, total	7,352	1,669	5,683	1,089	292	797	221	66	155
French	3,297	630	2,667	444	105	339	83	16	67
Italian	239	53	186	45	13	32	17	7	10
Portuguese	28	16	12	3	2	1	0	0	0
Spanish	3,748	964	2,784	552	162	390	101	37	64
Romance languages, other	40	6	34	45	10	35	20	6	14
Middle eastern languages and literatures, total	66	21	45	18	10	8	17	11	6
Arabic	6	1	5	2	1	1	1	0	1
Hebrew	54	17	37	11	5	6	5	3	2
Middle eastern languages, other	6	3	3	5	4	1	11	8	3
Classical and ancient near east languages and literatures, total	573	260	313	146	86	60	54	33	21

Table 34.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1988–89—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Classics and classical languages	459	207	252	116	67	49	51	32	19
Greek (ancient and medieval)	33	19	14	15	11	4	2	0	2
Latin (ancient and medieval)	81	34	47	15	8	7	1	1	0
Foreign languages and literatures, other	168	55	113	47	22	25	28	17	11
Health professions and related sciences, total	59,005	8,872	50,133	19,268	4,226	15,042	1,437	609	828
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	2,499	105	2,394	2,774	142	2,632	87	23	64
Community Health Liason	565	100	465	533	139	394	10	2	8
Dentistry specialties	156	87	69	385	289	96	17	15	2
Dental services	732	7	725	22	2	20	0	0	0
Health and medical administrative services, total	3,294	705	2,589	2,890	985	1,905	26	12	14
Health care and services administration	2,454	618	1,836	2,386	812	1,574	20	11	9
Medical records administration	624	36	588	1	0	1	0	0	0
Medical records technology/technician	20	3	17	0	0	0	0	0	0
Health and medical administrative services, other	196	48	148	503	173	330	6	1	5
Health and medical assistants, total	669	296	373	81	16	65	0	0	0
Medical assistant	0	0	0	18	4	14	0	0	0
Physician assistant	664	295	369	63	12	51	0	0	0
Veterinarian assistant/animal health technician	5	1	4	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	994	356	638	39	24	15	0	0	0
Respiratory therapy technology/technician	264	84	180	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	730	272	458	39	24	15	0	0	0
Health and medical laboratory technologies/technicians, total	2,696	575	2,121	1,291	474	817	146	55	91
Medical technology	2,288	471	1,817	109	36	73	1	0	1
Health and medical laboratory technologies/technicians, other	408	104	304	1,182	438	744	145	55	90
Health and medical preparatory programs, total	675	440	235	2	2	0	2	1	1
Pre-dentistry studies	85	52	33	0	0	0	0	0	0
Pre-medicine studies	531	358	173	0	0	0	2	1	1
Pre-pharmacy studies	6	3	3	0	0	0	0	0	0
Pre-veterinary studies	53	27	26	2	2	0	0	0	0
Medicine	77	42	35	14	11	3	22	17	5
Medical basic sciences	139	57	82	225	110	115	118	68	50
Mental health services, total	254	41	213	161	43	118	0	0	0
Alcohol/drug abuse counseling	67	19	48	42	9	33	0	0	0
Psychiatric/mental health services technician	127	16	111	55	16	39	0	0	0
Clinical and medical social work	60	6	54	58	15	43	0	0	0
Mental health services, other	0	0	0	6	3	3	0	0	0
Nursing	30,165	1,591	28,574	6,503	562	5,941	372	27	345
Optometry	216	129	87	13	7	6	5	5	0
Osteopathic medicine	5	5	0	0	0	0	0	0	0
Pharmacy	5,486	2,238	3,248	251	144	107	178	114	64
Epidemiology	0	0	0	193	93	100	39	13	26
Rehabilitation/therapeutic services, total	6,420	1,081	5,339	1,981	432	1,549	24	14	10
Art therapy	29	1	28	164	12	152	0	0	0
Dance therapy	7	0	7	36	1	35	0	0	0
Music therapy	194	13	181	28	7	21	0	0	0
Occupational therapy	2,016	148	1,868	329	31	298	2	1	1
Physical therapy	3,514	792	2,722	769	205	564	3	2	1
Vocational rehabilitation counseling	186	36	150	537	138	399	13	10	3
Rehabilitative services, other	474	91	383	118	38	80	6	1	5
Veterinary medicine	241	103	138	112	69	43	68	42	26
Miscellaneous health professions	36	12	24	44	17	27	0	0	0
Health professions and related sciences, other	3,686	902	2,784	1,754	665	1,089	323	201	122
Home economics and vocational home economics, total	14,160	1,335	12,825	2,164	307	1,857	264	59	205
Home economics, total	13,102	1,052	12,050	2,111	297	1,814	249	59	190
Home economics, general	3,346	221	3,125	355	20	335	33	2	31
Business home economics	193	8	185	0	0	0	0	0	0
Family and community studies	170	14	156	46	12	34	0	0	0
Family/consumer resource management	747	198	549	41	2	39	12	2	10
Foods and nutrition studies	2,619	257	2,362	597	62	535	64	19	45
Housing studies	655	67	588	50	18	32	6	0	6
Individual and family development studies	2,697	159	2,538	852	159	693	121	36	85
Clothing/apparel and textile studies	2,463	113	2,350	98	12	86	12	0	12
Home economics, other	212	15	197	72	12	60	1	0	1
Vocational home economics, total	1,058	283	775	53	10	43	15	0	15
Consumer and homemaking education	323	12	311	35	10	25	13	0	13
Custodial, housekeeping and home services workers and managers	94	37	57	9	0	9	2	0	2
Vocational home economics, other	641	234	407	9	0	9	0	0	0
Law and legal studies, total	1,976	785	1,191	2,013	1,431	582	76	47	29
Law, general	657	354	303	1,195	835	360	71	44	27
Pre-law studies	316	166	150	0	0	0	0	0	0
Paralegal/legal assistant	523	76	447	3	0	3	0	0	0
Law and legal studies, other	480	189	291	815	596	219	5	3	2
Liberal arts and sciences, general studies, and humanities, total	26,388	11,204	15,184	1,850	683	1,167	72	32	40
Liberal arts and sciences/liberal studies	13,030	5,809	7,221	1,246	442	804	19	9	10
Humanities/humanistic studies	2,890	1,137	1,753	400	184	216	40	16	24

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Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences, general studies, other	10,468	4,258	6,210	204	57	147	13	7	6
Library science, total	121	15	106	3,906	811	3,095	61	27	34
Library science	118	14	104	3,881	804	3,077	61	27	34
Library science, other	3	1	2	25	7	18	0	0	0
Mathematics, total	15,994	8,662	7,332	3,903	2,418	1,485	915	737	178
Mathematics	13,119	6,929	6,190	2,332	1,428	904	591	487	104
Applied mathematics, total	1965	1174	791	858	586	272	149	119	30
Applied mathematics, general	988	593	395	360	229	131	100	82	18
Operations research	977	581	396	498	357	141	49	37	12
Mathmatical statistics	428	247	181	644	359	285	168	125	43
Mathematics, other	482	312	170	69	45	24	7	6	1
Multi/interdisciplinary studies, total	15,168	7,281	7,887	2,762	1,740	1,022	212	139	73
Biological and physical sciences	2,017	1,130	887	218	115	103	24	13	11
Systems science and theory	24	14	10	981	797	184	4	3	1
Museum studies/museology	1	1	0	43	9	34	0	0	
Multi/interdisciplinary studies, other	13,126	6,136	6,990	1,520	819	701	184	123	61
Parks, recreation, leisure, and fitness studies, total	4,376	1,788	2,588	535	231	304	35	27	8
Parks, recreation and leisure studies	1,765	654	1,111	172	74	98	16	10	6
Parks, recreation and leisure facilities management	1,901	813	1,088	197	91	106	10	8	2
Health and physical education/fitness	193	81	112	83	24	59	0	0	0
Parks, recreation, leisure and fitness studies, other	517	240	277	83	42	41	9	9	0
Philosophy and religion, total	6,425	4,134	2,291	1,280	757	523	465	344	121
Philosophy	3,871	2,648	1,223	525	358	167	256	192	64
Religion/ religious studies	2,280	1,318	962	590	342	248	204	147	57
Philosophy and religion, other	274	168	106	165	57	108	5	5	0
Physical sciences and science technologies, total	17,186	12,077	5,109	5,723	4,199	1,524	3,858	3,088	770
Physical sciences, total	17,130	12,049	5,081	5,676	4,165	1,511	3,853	3,084	769
Physical sciences, general	422	298	124	56	35	21	0	0	0
Astronomy	113	88	25	81	68	13	53	42	11
Astrophysics	51	39	12	16	15	1	16	12	4
Atmospheric science and meteorology	332	280	52	206	174	32	67	60	7
Chemistry, total	8,625	5,283	3,342	1,774	1,120	654	2,037	1,514	523
Chemistry, general	8,414	5,154	3,260	1,668	1,055	613	1,873	1,392	481
Analytical chemistry	0	0	0	13	9	4	12	9	3
Inorganic chemistry	0	0	0	5	2	3	6	3	3
Organic chemistry	17	11	6	11	7	4	11	11	0
Medicinal/pharmaceutical chemistry	7	6	1	32	19	13	63	42	21
Chemistry, other	187	112	75	45	28	17	72	57	15
Geological and related sciences, total	2,252	1,685	567	1,404	1,025	379	358	288	70
Geology	2,112	1,573	539	1,167	853	314	271	217	54
Geochemistry	7	6	1	18	11	7	11	8	3
Geophysics and seismology	54	42	12	95	72	23	46	41	5
Geological and related sciences, other	79	64	15	124	89	35	30	22	8
Miscellaneous physical sciences, total	645	449	196	315	212	103	158	118	40
Metallurgy	0	0	0	8	7	1	9	9	0
Oceanography	151	112	39	108	68	40	89	64	25
Earth and planetary science	451	310	141	102	70	32	46	31	15
Miscellaneous physical sciences, other	43	27	16	97	67	30	14	14	0
Physics, total	4,352	3,703	649	1,736	1,446	290	1,112	1,009	103
Physics, general	4,203	3,583	620	1,636	1,366	270	1,026	930	96
Physics, other	149	120	29	100	80	20	86	79	7
Physical sciences, other	338	224	114	88	70	18	52	41	11
Science technologies, total	56	28	28	47	34	13	5	4	1
Precision production trades, total	482	307	175	0	0	0	0	0	0
Drafting, general	193	159	34	0	0	0	0	0	0
Precision production trades, other	289	148	141	0	0	0	0	0	0
Protective services, total	14,698	9,128	5,570	1,047	721	326	26	17	9
Criminal justice and corrections, total	14,538	8,976	5,562	1,020	696	324	26	17	9
Corrections/correctional administration	651	322	329	87	53	34	0	0	0
Criminal justice/law enforcement administration	3,892	2,507	1,385	307	205	102	0	0	0
Criminal justice studies	7,389	4,468	2,921	512	366	146	25	16	9
Forensic technology/technician	362	187	175	27	12	15	1	1	0
Law enforcement/police science	1,343	967	376	56	42	14	0	0	0
Criminal justice, other	901	525	376	31	18	13	0	0	0
Fire protection	144	138	6	27	25	2	0	0	0
Protective services, other	16	14	2	0	0	0	0	0	0
Psychology, total	48,910	14,246	34,664	9,940	3,122	6,818	3,685	1,590	2,095
Psychology, general	45,399	13,137	32,262	3,995	1,320	2,675	1,657	722	935
Clinical psychology	101	26	75	827	227	600	1,002	425	577
Counseling psychology	148	28	120	2,189	621	1,568	198	82	116
Developmental and child psychology	287	31	256	65	16	49	28	10	18
Experimental psychology	173	49	124	40	14	26	74	34	40
Industrial and organizational psychology	162	55	107	451	212	239	40	23	17
Physiological psychology	98	37	61	5	1	4	19	10	9
Social psychology	698	283	415	58	16	42	31	15	16
School psychology	173	19	154	1,388	340	1,048	463	183	280
Psychology, other	1,671	581	1,090	922	355	567	173	86	87

Table 34.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1988–89—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Public administration and services, total	13,162	3,214	9,948	17,020	5,615	11,405	428	210	218
Community organization, resources and services	828	179	649	122	42	80	10	2	8
Public administration	2,324	1,306	1,018	5,680	3,160	2,520	145	100	45
Public policy analysis	206	104	102	476	262	214	47	30	17
Social work	9,079	1,313	7,766	9,984	1,843	8,141	203	69	134
Public administration and services, other	725	312	413	758	308	450	23	9	14
R.O.T.C. and military technologies, total	198	170	28	0	0	0	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	29	26	3	0	0	0	0	0	0
Military technologies	169	144	25	0	0	0	0	0	0
Social sciences and history, total	108,151	60,121	48,030	11,023	6,599	4,424	2,885	1,949	936
Social sciences, general	5,130	2,213	2,917	421	204	217	42	35	7
Anthropology	3,083	1,139	1,944	701	285	416	320	169	151
Archeology	61	21	40	21	5	16	13	5	8
Criminology	1,080	600	480	57	37	20	2	1	1
Demography and population studies	0	0	0	24	12	12	11	7	4
Economics	23,454	15,860	7,594	1,886	1,353	533	827	667	160
Geography, total	3035	2126	909	555	374	181	121	94	27
Geography	3,005	2,106	899	551	370	181	121	94	27
Cartography	30	20	10	4	4	0	0	0	0
History	20,159	12,513	7,646	2,121	1,290	831	487	319	168
International relations and affairs	4,396	1,855	2,541	1,658	1,053	605	50	34	16
Political science and government, general	30,450	17,974	12,476	1,598	1,078	520	452	334	118
Sociology	14,435	4,496	9,939	1,135	486	649	451	225	226
Urban/affairs studies	544	284	260	336	192	144	41	19	22
Social sciences and history, other	2,324	1,040	1,284	510	230	280	68	40	28
Theological studies and religious vocations, total	5,318	4,102	1,216	4,749	3,061	1,688	1,166	1,020	146
Biblical and other theological languages and literatures	19	17	2	8	8	0	2	1	1
Bible/biblical studies	1,748	1,410	338	341	289	52	20	20	0
Missions/missionary studies and missiology	307	211	96	203	136	67	30	29	1
Religious education	820	509	311	936	490	446	41	32	9
Religious/sacred music	203	114	89	120	73	47	6	6	0
Theology and theological studies	1,380	1,115	265	2,274	1,516	758	832	726	106
Pastoral counseling and specialized ministries	1	1	0	105	54	51	4	3	1
Theological studies and religious vocations, other	840	725	115	762	495	267	231	203	28
Transportation and material moving workers	2,062	1,858	204	692	655	37	0	0	0
Water transportation workers	221	208	13	0	0	0	0	0	0
Transportation and material moving, other	1,841	1,650	191	692	655	37	0	0	0
Visual and performing arts, total	38,227	14,539	23,688	8,267	3,611	4,656	753	446	307
Visual and performing arts	1,888	674	1,214	219	98	121	8	3	5
Crafts, folk art and artisanry	91	28	63	13	5	8	0	0	0
Dance	708	106	602	191	34	157	4	0	4
Design and applied art	5,437	2,063	3,374	275	121	154	1	0	1
Dramatic/theater arts and stagecraft	4,707	1,978	2,729	1,144	544	600	63	38	25
Film/video and photographic arts, total	1,985	1,221	764	280	146	134	6	5	1
Film-Video making/cinematography and production	718	485	233	153	78	75	5	4	1
Photography	842	463	379	82	46	36	0	0	0
Film/video and photographic arts, other	425	273	152	45	22	23	1	1	0
Fine arts and art studies, total	16,174	5,057	11,117	2,821	1,027	1,794	151	48	103
Art, general	10,255	3,446	6,809	1,481	608	873	33	12	21
Art history, criticism and conservation	2,250	411	1,839	433	85	348	105	33	72
Arts management	85	15	70	74	24	50	0	0	0
Painting	715	253	462	195	82	113	0	0	0
Ceramic arts and ceramics	147	57	90	47	13	34	0	0	0
Fiber, textile and weaving arts	114	7	107	25	3	22	0	0	0
Metal and jewelry arts	60	8	52	23	12	11	0	0	0
Fine arts and art studies, other	2,548	860	1,688	543	200	343	13	3	10
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,604	3,153	3,451	3,255	1,597	1,658	519	352	167
Music, general	3,300	1,479	1,821	1,049	516	533	225	144	81
Music history and literature	65	27	38	62	27	35	32	22	10
Music, general performance	2,338	1,087	1,251	1,706	797	909	174	118	56
Music theory and composition	176	119	57	163	102	61	47	36	11
Music, other	725	441	284	275	155	120	41	32	9
Visual and performing arts, other	633	259	374	69	39	30	1	0	1
Not classified by field of study	2,405	1,400	1,005	851	482	369	61	51	10

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared September, 1993.)

Table 35.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1989–90

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,051,344**	**491,696**	**559,648**	**324,301**	**153,653**	**170,648**	**38,371**	**24,401**	**13,970**
Agriculture and natural resources, total	12,900	8,822	4,078	3,382	2,239	1,143	1,295	1,038	257
Agricultural business and production, total	4,456	3,350	1,106	718	535	183	213	165	48
Agricultural business and management, total	3,172	2,450	722	562	422	140	155	125	30
Agricultural business and management, general	337	264	73	49	37	12	5	4	1
Agricultural business/agribusiness operations	1,103	869	234	28	24	4	0	0	0
Agricultural economics	1,602	1,207	395	474	350	124	150	121	29
Agricultural business and management, other	130	110	20	11	11	0	0	0	0
Agricultural mechanization	224	218	6	4	4	0	1	1	0
Agricultural production workers and managers	91	73	18	54	45	9	17	13	4
Horticulture services operations and management	395	260	135	33	20	13	26	17	9
International agriculture	14	10	4	12	6	6	0	0	0
Agricultural business and production, other	560	339	221	53	38	15	14	9	5
Agricultural sciences, total	5,673	3,415	2,258	1,670	1,054	616	847	679	168
Agriculture/agricultural sciences, general	862	622	240	169	123	46	3	3	0
Animal sciences, total	2,734	1,424	1,310	489	300	189	226	187	39
Animal sciences, general	2,245	1,142	1,103	359	214	145	165	139	26
Agricultural animal breeding and genetics	9	2	7	18	16	2	1	0	1
Agricultural animal health	20	6	14	14	6	8	8	2	6
Agricultural animal nutrition	0	0	0	3	3	0	10	7	3
Dairy science	135	85	50	32	22	10	19	19	0
Poultry science	123	98	25	27	15	12	11	10	1
Animal sciences, other	202	91	111	36	24	12	12	10	2
Food sciences and technology	522	256	266	299	114	185	125	77	48
Plant sciences, total	1,378	994	384	584	423	161	380	315	65
Plant sciences, general	212	144	68	64	51	13	27	20	7
Agronomy and crop science	477	402	75	294	232	62	228	197	31
Horticulture science	519	328	191	151	84	67	94	72	22
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	23	14	9	15	9	6	0	0	0
Range science and management	98	78	20	47	37	10	22	20	2
Plant sciences, other	49	28	21	13	10	3	9	6	3
Soil sciences	98	74	24	89	70	19	85	76	9
Agriculture/agricultural sciences, other	79	45	34	40	24	16	28	21	7
Conservation and renewable natural resources, total	2,771	2,057	714	994	650	344	235	194	41
Natural resources conservation, general	801	528	273	290	171	119	46	38	8
Natural resources management and policy	118	82	36	3	2	1	0	0	0
Fishing and fisheries science and management	104	84	20	94	67	27	18	16	2
Forest harvesting and production technology/technician	212	178	34	28	21	7	23	19	4
Forestry, general	771	634	137	408	265	143	108	88	20
Wildlife and wildlands management	608	453	155	110	84	26	19	18	1
Conservation and renewable natural resources, other	157	98	59	61	40	21	21	15	6
Architecture and related programs, total	9,364	5,703	3,661	3,499	2,228	1,271	103	73	30
Architecture	5,175	3,806	1,369	1,869	1,316	553	30	21	9
City/urban, community, and regional planning	376	280	96	996	575	421	62	47	15
Architectural environmental design	686	456	230	74	40	34	5	2	3
Interior architecture	1,763	190	1,573	38	17	21	3	1	2
Landscape architecture	933	661	272	320	178	142	1	1	0
Architectural urban design and planning	0	0	0	89	54	35	0	0	0
Architecture and related programs, other	431	310	121	113	48	65	2	1	1
Area, ethnic, and cultural studies, total	4,613	1,768	2,845	1,212	650	562	131	71	60
Area studies, total	3,765	1,476	2,289	1,006	523	483	101	54	47
African studies	43	16	27	14	7	7	3	3	0
American studies/civilization	1,408	508	900	213	98	115	65	33	32
Latin American studies	283	105	178	192	93	99	4	2	2
Middle Eastern studies	65	31	34	69	38	31	11	7	4
Russian and Slavic studies	270	120	150	107	61	46	1	1	0
Asian studies	868	357	511	241	133	108	15	6	9
European studies	370	187	183	76	41	35	1	1	0
Area studies, other	458	152	306	94	52	42	1	1	0
Ethnic and cultural studies, total	743	253	490	106	42	64	20	13	7
Afro-American (black) studies	237	90	147	37	19	18	1	1	0
Hispanic-American studies	81	33	48	11	2	9	0	0	0
Women's studies	202	2	200	16	0	16	1	0	1
Ethnic studies, other	223	128	95	42	21	21	18	12	6
Area, ethnic and cultural studies, other	105	39	66	100	85	15	10	4	6
Biological sciences/life sciences, total	37,204	18,312	18,892	4,869	2,395	2,474	3,844	2,394	1,450
Biology, general	27,213	13,138	14,075	1,998	974	1,024	551	331	220
Biochemistry and biophysics	2,030	1,128	902	290	170	120	588	388	200
Botany, total	194	96	98	242	128	114	250	165	85
Botany, general	176	84	92	139	70	69	141	98	43
Plant pathology	13	10	3	90	55	35	85	53	32
Botany, other	5	2	3	13	3	10	24	14	10
Cell and molecular biology, total	733	430	303	99	48	51	256	157	99
Cell biology	51	29	22	24	13	11	61	36	25

Table 35.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	355	220	135	57	27	30	138	88	50
Cell and molecular biology, other	327	181	146	18	8	10	57	33	24
Microbiology/bacteriology	1,814	834	980	366	170	196	409	244	165
Miscellaneous biological specializations, total	1,738	905	833	1,072	413	659	752	421	331
Anatomy	103	59	44	54	20	34	105	59	46
Ecology	481	292	189	191	98	93	76	53	23
Marine biology	297	175	122	79	45	34	24	19	5
Neurosciences	100	58	42	35	17	18	85	53	32
Nutritional sciences	190	41	149	303	46	257	85	24	61
Toxicology	52	28	24	54	26	28	55	27	28
Genetics, plant and animal	163	69	94	119	46	73	185	107	78
Biometrics	16	8	8	110	47	63	39	19	20
Miscellaneous biological specilizations, other	336	175	161	127	68	59	98	60	38
Zoology, total	2,501	1,266	1,235	638	410	228	810	546	264
Zoology, general	2,016	1,004	1,012	226	149	77	166	112	54
Entomology	60	47	13	139	97	42	145	118	27
Pathology, human and animal	8	2	6	36	17	19	91	61	30
Pharmacology, human and animal	20	8	12	54	30	24	174	105	69
Physiology, human and animal	397	205	192	183	117	66	230	146	84
Zoology, other	0	0	0	0	0	0	4	4	0
Biological sciences/life sciences, other	981	515	466	164	82	82	228	142	86
Business management and administrative services and marketing operations/marketing and distribution, total	248,698	132,329	116,369	76,676	50,585	26,091	1,093	818	275
Business management and administrative services, total	243,385	130,300	113,085	76,587	50,524	26,063	1,091	818	273
Business, general	42,262	22,812	19,450	13,872	9,351	4,521	186	125	61
Business administration and management, total	71,537	38,570	32,967	39,659	26,618	13,041	556	437	119
Office supervision and management	1,117	104	1,013	7	3	4	0	0	0
Operations management and supervision	1,215	920	295	158	126	32	5	4	1
Business administration and management, other	69,205	37,546	31,659	39,494	26,489	13,005	551	433	118
Accounting	44,563	20,829	23,734	3,266	1,825	1,441	60	34	26
Administrative and secretarial services	666	57	609	1	0	1	0	0	0
Business/managerial economics	3,638	2,413	1,225	172	124	48	32	29	3
Enterprise management and operation	130	105	25	8	5	3	0	0	0
Financial management and services, total	27,116	18,055	9,061	5,649	3,999	1,650	51	46	5
Finance, general	25,952	17,364	8,588	5,290	3,758	1,532	48	43	5
Actuarial sciences	233	134	99	52	30	22	0	0	0
Insurance and risk management	540	319	221	46	32	14	3	3	0
Investments and securities	391	238	153	261	179	82	0	0	0
Hospitality services management	5,818	3,013	2,805	406	257	149	2	1	1
Human resources management, total	5,474	2,515	2,959	2,143	983	1,160	67	44	23
Human resources management	3,891	1,757	2,134	1,270	571	699	20	12	8
Labor/personnel relations and studies	1,024	482	542	707	335	372	17	14	3
Organizational behavior studies	559	276	283	166	77	89	30	18	12
International business	1,565	656	909	1,840	1,165	675	14	12	2
Business information systems, total	3,406	2,019	1,387	1,101	795	306	9	8	1
Management information systems and data processing, general	3,316	1,977	1,339	1,101	795	306	9	8	1
Business information systems, other	90	42	48	0	0	0	0	0	0
Quantitative methods and management science, total	1,640	962	678	665	510	155	15	13	2
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	1,640	962	678	665	510	155	15	13	2
Marketing management and research	30,301	15,095	15,206	2,395	1,236	1,159	51	34	17
Real estate	834	609	225	284	232	52	0	0	0
Taxation	0	0	0	960	600	360	0	0	0
Consumer and personal services	80	59	21	0	0	0	0	0	0
Business management and administrative services, other	4,355	2,531	1,824	4,166	2,824	1,342	48	35	13
Marketing operations/marketing and distribution, total	5,313	2,029	3,284	89	61	28	2	0	2
Apparel and accessories marketing operations	1,546	56	1,490	0	0	0	2	0	2
Business and personal services marketing operations	772	436	336	1	1	0	0	0	0
General/retailing and wholesaling operations and skills	2,292	1,217	1,075	21	14	7	0	0	0
Transportation and travel services marketing operations	246	47	199	29	14	15	0	0	0
Marketing operations/marketing and distribution, other	457	273	184	38	32	6	0	0	0
Communications and communications technologies, total	51,308	20,218	31,090	4,362	1,707	2,655	273	145	128
Communications, total	50,114	19,591	30,523	4,063	1,557	2,506	267	142	125
Communications, general	24,181	9,071	15,110	1,512	561	951	187	94	93
Advertising	2,776	984	1,792	227	71	156	1	1	0
Journalism and mass communications, total	12,599	4,612	7,987	1,325	509	816	44	29	15
Journalism	11,566	4,153	7,413	1,298	497	801	44	29	15
Broadcast journalism	1,033	459	574	27	12	15	0	0	0
Public relations and organizational communications	1,807	526	1,281	103	29	74	0	0	0
Radio and television broadcasting	5,571	3,011	2,560	270	139	131	12	5	7
Communications, other	3,180	1,387	1,793	626	248	378	23	13	10
Communications technologies, total	1,194	627	567	299	150	149	6	3	3
Photographic technology/technician	39	16	23	0	0	0	0	0	0
Radio and television broadcasting technology/technician	1,054	550	504	264	129	135	5	3	2
Communications technologies/technicians, other	101	61	40	35	21	14	1	0	1
Computer and information sciences, total	27,257	19,117	8,140	9,677	6,960	2,717	627	534	93

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Table 35.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	21,108	15,163	5,945	7,881	5,773	2,108	600	517	83
Computer programming	485	395	90	124	99	25	0	0	0
Data processing technology/technician	531	299	232	73	58	15	0	0	0
Information science and systems	3,676	2,281	1,395	1,171	719	452	17	8	9
Computer systems analysis	263	178	85	67	56	11	2	2	0
Computer and information sciences, other	1,194	801	393	361	255	106	8	7	1
Education, total	105,112	23,007	82,105	84,881	20,467	64,414	6,502	2,776	3,726
Education, general	2,235	455	1,780	9,134	2,396	6,738	1,240	474	766
Bilingual/bicultural education	131	10	121	195	67	128	34	20	14
Curriculum and instruction	529	21	508	5,230	966	4,264	728	262	466
Education administration and supervision, total	21	0	21	9,935	4,101	5,834	2,016	986	1,030
Education administration and supervision, general	3	0	3	6,414	2,778	3,636	1,406	709	697
Administration of special education	13	0	13	7	2	5	10	4	6
Adult and continuing education administration	0	0	0	166	51	115	52	25	27
Educational supervision	0	0	0	813	248	565	38	17	21
Elementary and secondary education administration	0	0	0	1,631	661	970	57	27	30
Higher education administration	5	0	5	260	101	159	342	153	189
Community and junior college education administration	0	0	0	102	30	72	4	2	2
Educational administration and supervision, other	0	0	0	542	230	312	107	49	58
Educational/instructional media design	17	4	13	809	197	612	29	14	15
Educational evaluation, research, and statistics, total	5	3	2	175	59	116	131	51	80
Educational evaluation and research, general	3	2	1	77	22	55	79	31	48
Educational statistics and research methods	2	1	1	24	11	13	30	12	18
Educational assessment, testing and measurement	0	0	0	74	26	48	22	8	14
Social and philosophical foundations of education	0	0	0	203	67	136	139	56	83
Special education, total	6,615	462	6,153	9,025	1,102	7,923	203	58	145
Special education, general	4,236	323	3,913	6,791	853	5,938	169	51	118
Education of the deaf and hearing impaired	219	14	205	155	22	133	2	0	2
Education of the gifted and talented	4	0	4	171	8	163	5	0	5
Education of the emotionally handicapped	221	25	196	203	35	168	1	0	1
Education of the mentally handicapped	612	37	575	187	28	159	2	1	1
Education of the multiple handicapped	58	5	53	81	8	73	0	0	0
Education of the physically handicapped	30	3	27	30	2	28	0	0	0
Education of the blind and visually handicapped	17	0	17	21	5	16	0	0	0
Education of the specific learning disabled	376	17	359	731	72	659	12	2	10
Education of the speech impaired	548	17	531	256	11	245	0	0	0
Special education, other	294	21	273	399	58	341	12	4	8
Counseling education/counseling and guidance services	48	9	39	10,515	2,357	8,158	414	164	250
General teacher education, total	59,481	5,413	54,068	20,037	2,932	17,105	397	140	257
Adult and continuing education	83	18	65	700	218	482	152	64	88
Elementary education	49,104	3,529	45,575	12,184	1,058	11,126	88	20	68
Junior high/intermediate/middle school education	867	154	713	551	71	480	0	0	0
Pre-elementary/early childhood/kindergarten education	4,855	75	4,780	1,624	31	1,593	18	1	17
Secondary education	4,102	1,564	2,538	3,667	1,235	2,432	80	30	50
General teacher education, other	470	73	397	1,311	319	992	59	25	34
Teacher education, academic and vocational programs, total	35,113	16,389	18,724	15,873	5,252	10,621	867	430	437
Agricultural education (vocational)	501	389	112	263	205	58	35	26	9
Art education	1,179	229	950	536	86	450	40	15	25
Business education (vocational)	1,920	383	1,537	542	123	419	15	4	11
Driver and safety education	55	43	12	58	46	12	0	0	0
English education	1,934	367	1,567	454	94	360	23	9	14
Foreign languages education	393	64	329	157	33	124	19	10	9
Health education	1,658	444	1,214	796	199	597	113	35	78
Home economics education (vocational)	465	4	461	191	3	188	7	0	7
Technology/industrial arts education	1,891	1,659	232	608	484	124	35	20	15
Marketing operations/marketing and distribution education	274	126	148	18	7	11	1	0	1
Mathematics education	1,726	644	1,082	783	241	542	44	25	19
Music education	2,847	1,138	1,709	891	365	526	73	41	32
Physical education and coaching	13,022	7,063	5,959	3,485	1,723	1,762	213	130	83
Reading education	222	21	201	3,549	179	3,370	79	15	64
Science education	1,511	669	842	802	341	461	44	27	17
Social science education	785	385	400	163	49	114	2	1	1
Social studies education	1,727	1,031	696	212	127	85	5	3	2
Technical education (vocational)	254	189	65	231	149	82	23	16	7
Trade and industrial education (vocational)	1,333	953	380	530	273	257	56	34	22
Teacher education, academic and vocational programs, other	1,416	588	828	1,604	525	1,079	40	19	21
Teaching English as a second language/foreign language	39	9	30	921	210	711	1	1	0
Education, other	878	232	646	2,829	761	2,068	303	120	183
Engineering and engineering technologies, total	81,322	70,071	11,251	24,772	21,357	3,415	4,981	4,536	445
Engineering, total	63,609	53,804	9,805	23,863	20,612	3,251	4,967	4,522	445
Engineering, general	2,574	2,153	421	1,122	979	143	252	237	15
Aerospace, aeronautical, and astronautical engineering	3,035	2,698	337	1,023	942	81	180	177	3
Agricultural engineering	447	391	56	186	162	24	81	75	6
Architectural engineering	530	439	91	34	34	0	0	0	0
Bioengineering and biomedical engineering	688	467	221	360	243	117	112	92	20
Ceramic sciences and engineering	349	274	75	90	69	21	42	32	10

Table 35.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Chemical engineering	3,430	2,398	1,032	1,035	855	180	562	487	75
Civil engineering, general	7,252	6,134	1,118	2,812	2,406	406	516	468	48
Computer engineering	1,903	1,654	249	783	645	138	86	75	11
Electrical, electronics, and communications engineering	20,711	18,138	2,573	7,225	6,365	860	1,162	1,076	86
Engineering mechanics	131	114	17	173	149	24	95	89	6
Engineering physics	331	286	45	76	67	9	27	25	2
Engineering science	224	187	37	305	265	40	73	66	7
Environmental/environmental health engineering	108	63	45	354	247	107	36	27	9
Geological engineering	67	51	16	40	32	8	6	5	1
Geophysical engineering	19	15	4	11	11	0	3	2	1
Industrial/manufacturing engineering	3,915	2,760	1,155	1,841	1,495	346	194	160	34
Materials engineering	456	326	130	483	392	91	262	231	31
Mechanical engineering	14,336	12,646	1,690	3,424	3,098	326	742	706	36
Metallurgical engineering	357	284	73	197	165	32	103	95	8
Mining and mineral engineering	86	82	4	57	54	3	37	34	3
Naval architecture and marine engineering	322	309	13	45	44	1	6	4	2
Nuclear engineering	251	218	33	227	202	25	123	113	10
Ocean engineering	82	70	12	94	84	10	17	15	2
Petroleum engineering	307	283	24	165	156	9	54	54	0
Systems engineering	327	258	69	306	257	49	25	25	0
Textile sciences and engineering	39	18	21	22	16	6	1	1	0
Engineering, other	1,332	1,088	244	1,373	1,178	195	170	151	19
Engineering-related technologies, total	17,713	16,267	1,446	909	745	164	14	14	0
Architectural engineering technologies	811	748	63	11	9	2	0	0	0
Civil engineering/civil technologies	482	446	36	1	1	0	0	0	0
Electrical and electronic engineering-related technologies	4,580	4,284	296	46	37	9	0	0	0
Electromechanical instrumentation and maintenance technologies	416	389	27	11	11	0	1	1	0
Environmental control technologies	166	132	34	59	36	23	1	1	0
Industrial production technologies	4,487	4,043	444	198	163	35	4	4	0
Quality control and safety technologies	342	262	80	177	147	30	0	0	0
Mechanical engineering-related technologies	2,556	2,419	137	0	0	0	0	0	0
Mining and petroleum engineering technologies	25	24	1	2	1	1	6	6	0
Surveying	104	94	10	22	19	3	2	2	0
Mechanics and repairers	202	198	4	0	0	0	0	0	0
Construction trades	19	17	2	0	0	0	0	0	0
Engineering-related technologies, other	3,523	3,211	312	382	321	61	0	0	0
English language and literature/letters, total	47,519	15,662	31,857	6,567	2,205	4,362	1,078	480	598
English language and literature, general	34,412	10,907	23,505	4,588	1,539	3,049	771	347	424
Comparative literature	716	225	491	250	80	170	92	36	56
English composition	200	86	114	10	2	8	6	2	4
English creative writing	633	250	383	630	244	386	1	0	1
American literature (United States)	55	13	42	2	0	2	2	1	1
English literature (British and Commonwealth)	1,642	552	1,090	265	81	184	64	24	40
Speech and rhetorical studies	8,553	3,175	5,378	577	177	400	101	54	47
English technical and business writing	144	41	103	88	26	62	0	0	0
English language and literature/letters, other	1,164	413	751	157	56	101	41	16	25
Foreign languages and literatures, total	12,386	3,387	8,999	2,760	900	1,860	724	312	412
Foreign languages and literatures, total	1,299	357	942	872	288	584	222	97	125
Foreign languages, general	785	214	571	259	68	191	61	23	38
Linguistics	514	143	371	613	220	393	161	74	87
East and southeast asian languages and literatures , total	402	181	221	77	28	49	19	11	8
Chinese	144	60	84	33	13	20	8	5	3
Japanese	193	80	113	22	4	18	1	0	1
East and southeast asian languages, other	65	41	24	22	11	11	10	6	4
East european languages and literatures, total	615	272	343	122	49	73	21	7	14
Russian	549	246	303	52	18	34	5	3	2
Slavic languages (other than Russian)	66	26	40	70	31	39	16	4	12
East european languages, other	0	0	0	0	0	0	0	0	0
Germanic languages and literatures, total	1,482	510	972	272	99	173	77	32	45
German	1,437	501	936	253	92	161	67	27	40
Scandinavian languages	33	7	26	7	3	4	2	2	0
Germanic languages, other	12	2	10	12	4	8	8	3	5
South asian languages and literatures	2	0	2	1	0	1	2	1	1
Romance languages and literatures, total	7,746	1,702	6,044	1,157	311	846	274	93	181
French	3,259	569	2,690	478	120	358	115	36	79
Italian	247	57	190	38	12	26	19	10	9
Portuguese	30	14	16	7	0	7	1	0	1
Spanish	4,176	1,055	3,121	573	168	405	108	35	73
Romance languages, other	34	7	27	61	11	50	31	12	19
Middle eastern languages and literatures, total	60	23	37	43	29	14	21	16	5
Arabic	4	3	1	0	0	0	1	0	1
Hebrew	44	16	28	31	19	12	10	7	3
Middle eastern languages, other	12	4	8	12	10	2	10	9	1
Classical and ancient Near East languages and literatures, total	585	280	305	160	76	84	46	26	20
Classics and classical languages	457	213	244	132	63	69	46	26	20

Table 35.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Greek (ancient and medieval)	38	22	16	6	6	0	0	0	0
Latin (ancient and medieval)	90	45	45	22	7	15	0	0	0
Foreign languages and literatures, other	195	62	133	56	20	36	42	29	13
Health professions and related sciences, total	58,302	9,118	49,184	20,321	4,534	15,787	1,536	704	832
Chiropractic	0	0	0	0	0	0	0	0	0
Communication disorders sciences and services	2,868	140	2,728	2,940	135	2,805	89	23	66
Community health liason	587	97	490	585	179	406	63	26	37
Dentistry specialties	87	57	30	449	342	107	14	9	5
Dental services	711	8	703	28	3	25	0	0	0
Health and administrative services, total	3,180	637	2,543	2,984	1,015	1,969	29	12	17
Health services administration	2,347	539	1,808	2,465	836	1,629	18	8	10
Medical records administration	612	44	568	0	0	0	0	0	0
Medical records technology/technician	18	4	14	0	0	0	0	0	0
Health services administration, other	203	50	153	519	179	340	11	4	7
Health and medical assistants, total	625	249	376	51	14	37	0	0	0
Medical assistant	0	0	0	20	4	16	0	0	0
Physician assistant	611	248	363	31	10	21	0	0	0
Veterinarian assistant/animal health technician	14	1	13	0	0	0	0	0	0
Health and medical assistants, other	0	0	0	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	942	352	590	26	15	11	0	0	0
Respiratory therapy technology/technician	219	83	136	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	723	269	454	26	15	11	0	0	0
Health and medical laboratory technologies/technicians, total	2,527	634	1,893	1,318	457	861	116	48	68
Medical laboratory	2,093	486	1,607	73	21	52	1	0	1
Health and medical laboratory technologies/technicians, other	434	148	286	1,245	436	809	115	48	67
Health and medical preparatory programs, total	642	418	224	2	1	1	0	0	0
Pre-dentistry studies	47	37	10	0	0	0	0	0	0
Pre-medicine studies	564	369	195	0	0	0	0	0	0
Pre-pharmacy studies	2	2	0	0	0	0	0	0	0
Pre-veterinary studies	29	10	19	2	1	1	0	0	0
Medicine	92	59	33	34	17	17	6	3	3
Medical basic sciences	155	72	83	166	89	77	99	65	34
Mental health services, total	238	58	180	163	44	119	0	0	0
Alcohol/drug abuse counseling	73	31	42	35	11	24	0	0	0
Psychiatric/mental health services technician	119	21	98	54	10	44	0	0	0
Clinical and medical social work	46	6	40	68	19	49	0	0	0
Mental health services, other	0	0	0	6	4	2	0	0	0
Nursing	28,822	1,704	27,118	6,790	592	6,198	319	31	288
Optometry	252	129	123	17	8	9	0	0	0
Osteopathic medicine	2	1	1	8	5	3	0	0	0
Pharmacy	6,020	2,426	3,594	286	153	133	163	105	58
Epidemiology	0	0	0	258	111	147	54	28	26
Rehabilitative/therapeutic services, total	6,331	1,090	5,241	2,239	448	1,791	26	14	12
Art therapy	39	2	37	124	8	116	0	0	0
Dance therapy	2	0	2	44	4	40	0	0	0
Music therapy	164	18	146	20	5	15	0	0	0
Occupational therapy	1,978	141	1,837	389	25	364	0	0	0
Orthotics/prosthetics	23	20	3	0	0	0	0	0	0
Physical therapy	3,497	817	2,680	927	225	702	2	0	2
Recreational therapy	156	27	129	18	6	12	0	0	0
Vocational rehabilitation therapy	185	25	160	599	146	453	13	8	5
Rehabilitative services, other	287	40	247	118	29	89	11	6	5
Veterinary medicine	246	100	146	104	64	40	86	57	29
Miscellaneous health professions	17	7	10	51	16	35	0	0	0
Health professions and related sciences, other	3,958	880	3,078	1,822	826	996	472	283	189
Home economics and vocational home economics, total	14,491	1,454	13,037	2,100	305	1,795	301	90	211
Home economics, total	13,368	1,135	12,233	2,036	290	1,746	296	90	206
Home economics, general	3,230	189	3,041	410	16	394	54	8	46
Business home economics	207	16	191	0	0	0	0	0	0
Family and community studies	205	22	183	46	12	34	7	5	2
Family/consumer resource management	902	282	620	34	4	30	20	5	15
Foods and nutrition studies	2,398	229	2,169	468	52	416	55	20	35
Housing studies	648	50	598	45	12	33	3	1	2
Individual and family development studies	3,087	218	2,869	858	169	689	136	47	89
Textiles and clothing	2,453	116	2,337	105	12	93	18	4	14
Home economics, other	238	13	225	70	13	57	3	0	3
Vocational home economics, total	1,123	319	804	64	15	49	5	0	5
Consumer and homemaking education	352	10	342	46	12	34	3	0	3
Custodial, housekeeping and home services workers and managers	72	33	39	7	2	5	2	0	2
Vocational home economics, other	699	276	423	11	1	10	0	0	0
Law and legal studies, total	1,592	514	1,078	1,888	1,318	570	111	87	24
Law, general	2	1	1	957	655	302	106	82	24
Pre-law studies	311	166	145	0	0	0	0	0	0
Paralegal/legal assistant	604	90	514	4	2	2	0	0	0
Law and legal studies, other	675	257	418	927	661	266	5	5	0
Liberal arts and sciences, general studies, and humanities, total	27,985	11,395	16,590	1,999	721	1,278	63	31	32

Table 35.—Bachelor's, master's, and doctor's degrees conferred [1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Liberal arts and sciences/liberal studies, total	16,212	6,796	9,416	1,786	643	1,143	57	27	30
Liberal arts and sciences/liberal studies	13,403	5,838	7,565	1,383	477	906	23	9	14
Humanities/humanistic studies	2,809	958	1,851	403	166	237	34	18	16
Liberal arts and sciences, general studies, other	11,773	4,599	7,174	213	78	135	6	4	2
Library science, total	77	13	64	4,341	981	3,360	42	11	31
Library science/librarianship	76	13	63	4,315	978	3,337	42	11	31
Library science, other	1	0	1	26	3	23	0	0	0
Mathematics, total	15,176	8,236	6,940	4,146	2,568	1,578	966	794	172
Mathematics, general	12,458	6,553	5,905	2,457	1,483	974	608	506	102
Applied mathematics, total	1,774	1,110	664	907	637	270	139	116	23
Applied mathematics, general	874	548	326	385	241	144	90	76	14
Operations research (quantitative methods)	900	562	338	522	396	126	49	40	9
Pure mathematics	99	58	41	16	10	6	10	9	1
Mathematical statistics	450	265	185	674	386	288	197	155	42
Mathematics, other	395	250	145	92	52	40	12	8	4
Multi/interdisciplinary studies, total	16,267	7,843	8,424	2,834	1,700	1,134	272	176	96
Biological and physical sciences	2,193	1,218	975	250	124	126	44	36	8
Systems science	41	25	16	1,002	807	195	10	8	2
Museology/museum studies	3	2	1	54	10	44	0	0	0
Multi/interdisciplinary studies, other	14,030	6,598	7,432	1,528	759	769	218	132	86
Parks, recreation, leisure, and fitness studies, total	4,582	2,016	2,566	529	211	318	35	18	17
Parks, recreation and leisure studies	1,835	775	1,060	180	76	104	18	8	10
Parks, recreation and leisure facilities management	1,906	838	1,068	169	61	108	16	9	7
Health and physical education/fitness	198	87	111	111	38	73	0	0	0
Parks, recreation, leisure, and fitness studies, other	643	316	327	69	36	33	1	1	0
Philosophy and religion, total	6,868	4,402	2,466	1,306	824	482	439	325	114
Philosophy	4,287	2,926	1,361	550	388	162	248	191	57
Religion/religious studies	2,274	1,305	969	581	379	202	185	128	57
Philosophy and religion, other	307	171	136	175	57	118	6	6	0
Physical sciences and science technologies, total	16,066	11,031	5,035	5,449	4,010	1,439	4,164	3,356	808
Physical sciences, total	15,959	10,963	4,996	5,395	3,975	1,420	4,155	3,347	808
Physical sciences, general	441	308	133	52	37	15	1	1	0
Astronomy	104	71	33	94	74	20	69	56	13
Astrophysics	46	36	10	13	11	2	22	19	3
Atmospheric science and meteorology	355	281	74	200	171	29	60	48	12
Chemistry, total	8,132	4,893	3,239	1,682	1,022	660	2,183	1,641	542
Chemistry, general	7,939	4,768	3,171	1,554	951	603	2,023	1,533	490
Analytical chemistry	1	1	0	12	7	5	15	13	2
Inorganic chemistry	0	0	0	10	5	5	8	5	3
Organic chemistry	14	7	7	10	6	4	16	13	3
Medicinal/pharmaceutical chemistry	10	5	5	39	14	25	48	28	20
Chemistry, other	168	112	56	57	39	18	73	49	24
Geological and related sciences, total	1,767	1,252	515	1,200	913	287	414	340	74
Geology	1,634	1,153	481	957	727	230	301	249	52
Geochemistry	12	9	3	9	8	1	13	11	2
Geophysics and seismology	39	33	6	90	71	19	51	40	11
Geological sciences, other	82	57	25	144	107	37	49	40	9
Miscellaneous physical sciences, total	648	449	199	257	164	93	140	106	34
Metallurgy	2	2	0	10	9	1	3	3	0
Oceanography	166	119	47	81	53	28	83	60	23
Earth science	439	307	132	115	80	35	52	41	11
Miscellaneous physical sciences, other	41	21	20	51	22	29	2	2	0
Physics, total	4,155	3,479	676	1,831	1,532	299	1,192	1,073	119
Physics, general	4,022	3,371	651	1,697	1,420	277	1,115	1,003	112
Physics, other	133	108	25	134	112	22	77	70	7
Physical sciences, other	311	194	117	66	51	15	74	63	11
Science technologies, total	107	68	39	54	35	19	9	9	0
Precision production trades, total	528	388	140	3	2	1	0	0	0
Drafting, general	256	225	31	0	0	0	0	0	0
Precision production trades, other	272	163	109	3	2	1	0	0	0
Protective services, total	15,354	9,519	5,835	1,151	791	360	38	25	13
Criminal justice and corrections, total	15,164	9,344	5,820	1,145	785	360	38	25	13
Corrections/correctional administration	609	291	318	146	116	30	0	0	0
Criminal justice administration	4,140	2,637	1,503	351	221	130	0	0	0
Criminal justice studies	7,695	4,629	3,066	543	383	160	38	25	13
Forensic technology/technician	378	197	181	33	26	7	0	0	0
Law enforcement/police science	1,432	1,036	396	32	17	15	0	0	0
Criminal justice and corrections, other	910	554	356	40	22	18	0	0	0
Fire protection	156	150	6	6	6	0	0	0	0
Protective services, other	34	25	9	0	0	0	0	0	0
Psychology, total	53,952	15,336	38,616	10,730	3,377	7,353	3,811	1,566	2,245
Psychology, general	50,492	14,310	36,182	4,078	1,385	2,693	1,651	720	931
Clinical psychology	86	21	65	812	245	567	1,069	421	648
Counseling psychology	147	49	98	2,648	761	1,887	231	99	132
Developmental and child psychology	374	46	328	76	15	61	33	8	25
Experimental psychology	208	64	144	29	14	15	74	34	40
Industrial and organizational psychology	171	59	112	451	210	241	53	33	20

Table 35.—Bachelor's, master's, and doctor's degrees conferred[1] by institutions of higher education, by sex of student and field of study: 1989–90—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Physiological psychology	72	31	41	9	4	5	12	3	9
Social psychology	558	229	329	47	9	38	27	8	19
School psychology	158	14	144	1,538	389	1,149	489	175	314
Psychology, other	1,686	513	1,173	1,042	345	697	172	65	107
Public administrations and services, total	13,908	3,334	10,574	17,399	5,634	11,765	508	235	273
Public affairs, general	808	459	349	504	284	220	17	12	5
Community organizations, resources and services	947	219	728	95	39	56	10	5	5
Public administration	1,850	973	877	5,207	2,893	2,314	117	85	32
Public policy analysis	258	133	125	416	228	188	56	39	17
Social work	9,651	1,333	8,318	10,594	1,966	8,628	288	90	198
Public administration and services, other	394	217	177	583	224	359	20	4	16
R.O.T.C. and military technologies, total	196	177	19	0	0	0	0	0	0
Reserve Officers Training Corps (R.O.T.C.)	35	32	3	0	0	0	0	0	0
Military technologies, total	161	145	16	0	0	0	0	0	0
Social sciences and history, total	118,083	65,887	52,196	11,634	6,898	4,736	3,010	2,019	991
Social sciences, general	5,705	2,459	3,246	520	254	266	39	28	11
Anthropology	3,603	1,311	2,292	800	333	467	324	151	173
Archeology	84	30	54	36	17	19	13	4	9
Criminology	1,425	869	556	68	38	30	3	0	3
Demography and population studies	1	0	1	30	17	13	10	5	5
Economics	23,923	16,467	7,456	1,950	1,444	506	806	645	161
Geography, total	3,230	2,243	987	556	351	205	146	109	37
Geography	3,210	2,229	981	555	350	205	146	109	37
Cartography	20	14	6	1	1	0	0	0	0
History, total	22,476	14,053	8,423	2,369	1,467	902	570	381	189
History	22,476	14,053	8,423	2,365	1,466	899	570	381	189
Public/applied history and archival administration	0	0	0	4	1	3	0	0	0
International relations and affairs	4,862	1,979	2,883	1,670	1,009	661	87	69	18
Political science and government	33,560	19,885	13,675	1,580	1,069	511	480	365	115
Sociology	16,035	5,083	10,952	1,198	490	708	432	220	212
Urban affairs/studies	599	327	272	333	201	132	38	14	24
Social sciences and history, other	2,580	1,181	1,399	524	208	316	62	28	34
Theological studies and religious vocations, total	5,200	3,950	1,250	4,959	3,149	1,810	1,317	1,162	155
Biblical and other theological languages and literatures	15	13	2	8	7	1	0	0	0
Bible/biblical studies	1,589	1,279	310	349	298	51	27	26	1
Missions/missionary studies and missiology	317	204	113	184	125	59	56	53	3
Religious education	938	555	383	955	478	477	72	58	14
Religious/sacred music	170	99	71	142	85	57	9	8	1
Theology and theological studies	1,409	1,147	262	2,463	1,615	848	894	796	98
Pastoral counseling and specialized ministries	1	1	0	306	164	142	5	3	2
Theological studies and religious vocations, other	761	652	109	552	377	175	254	218	36
Transportation and material moving workers, total	2,387	2,119	268	538	504	34	0	0	0
Water transportation workers	221	207	14	0	0	0	0	0	0
Transportation and material moving, other	2,166	1,912	254	538	504	34	0	0	0
Visual and performing arts, total	39,934	15,189	24,745	8,481	3,706	4,775	849	472	377
Visual and performing arts, general	2,112	776	1,336	185	64	121	7	3	4
Crafts, folk arts and artisanry	102	40	62	15	9	6	0	0	0
Dance	621	63	558	167	29	138	8	2	6
Design and applied art	5,787	2,178	3,609	287	110	177	1	0	1
Dramatic/theater arts and stagecraft	4,742	1,886	2,856	1,205	598	607	93	50	43
Film/video and photographic arts, total	2,103	1,285	818	340	204	136	6	3	3
Film-video making/cinematography and production	810	537	273	151	88	63	5	2	3
Photography	773	411	362	104	62	42	0	0	0
Film arts, other	520	337	183	85	54	31	1	1	0
Fine arts, total	16,971	5,305	11,666	2,938	1,058	1,880	158	45	113
Art, general	10,779	3,596	7,183	1,581	638	943	22	10	12
Art history, criticism and conservation	2,334	400	1,934	480	106	374	108	26	82
Arts management	101	22	79	99	20	79	2	1	1
Painting	747	265	482	182	88	94	0	0	0
Ceramic arts and ceramics	163	49	114	48	22	26	0	0	0
Fiber, textile, and weaving arts	116	11	105	9	1	8	0	0	0
Metal and jewelry arts	65	12	53	18	5	13	0	0	0
Fine arts, other	2,666	950	1,716	521	178	343	26	8	18
Graphic arts technology	0	0	0	0	0	0	0	0	0
Music, total	6,879	3,411	3,468	3,260	1,588	1,672	574	367	207
Music, general	3,384	1,591	1,793	1,056	503	553	248	156	92
Music history and literature	67	32	35	56	34	22	31	18	13
Music, general performance	2,478	1,220	1,258	1,664	780	884	185	112	73
Music theory and composition	206	132	74	155	99	56	70	56	14
Music, other	744	436	308	329	172	157	40	25	15
Visual and performing arts, other	617	245	372	84	46	38	2	2	0
Not classified by field of study	2,713	1,379	1,334	1,836	727	1,109	258	153	105

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared September, 1993.)

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Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,094,538**	**504,045**	**590,493**	**337,168**	**156,482**	**180,686**	**39,294**	**24,756**	**14,538**
Agriculture and natural resources, total	13,124	8,832	4,292	3,295	2,160	1,135	1,185	953	232
Agricultural business and production, total	4,544	3,387	1,157	681	487	194	209	163	46
Agricultural business and management, total	3,217	2,441	776	528	380	148	168	131	37
Agricultural business and management, general	289	222	67	45	35	10	3	2	1
Agricultural business/agribusiness operations	1,072	822	250	21	17	4	0	0	0
Agricultural economics	1,741	1,300	441	451	320	131	165	129	36
Agricultural business and management, other	115	97	18	11	8	3	0	0	0
Agricultural mechanization	216	215	1	9	9	0	2	2	0
Agricultural production workers and managers	121	95	26	30	24	6	12	11	1
Horticulture service operations and management	388	258	130	49	28	21	13	10	3
International agriculture	14	9	5	12	6	6	0	0	0
Agricultural business and production, other	588	369	219	53	40	13	14	9	5
Agricultural sciences, total	5,479	3,194	2,285	1,606	1,011	595	745	598	147
Agriculture/agricultural sciences, general	908	628	280	192	139	53	6	4	2
Animal sciences, total	2,674	1,352	1,322	416	252	164	204	168	36
Animal sciences, general	2,217	1,094	1,123	309	191	118	146	123	23
Agricultural animal breeding and genetics	17	8	9	9	7	2	3	3	0
Agricultural animal health	14	6	8	16	7	9	10	6	4
Agricultural animal nutrition	0	0	0	6	4	2	6	4	2
Dairy science	127	87	40	31	15	16	13	9	4
Poultry science	104	73	31	14	5	9	12	11	1
Animal sciences, other	195	84	111	31	23	8	14	12	2
Food sciences and technology	471	209	262	294	120	174	123	85	38
Plant sciences, total	1,271	903	368	603	431	172	317	265	52
Plant sciences, general	208	136	72	72	55	17	29	24	5
Agronomy and crop science	436	365	71	294	234	60	170	150	20
Horticulture science	471	290	181	141	73	68	73	55	18
Plant breeding and genetics	0	0	0	0	0	0	0	0	0
Agricultural plant pathology	0	0	0	0	0	0	0	0	0
Plant protection (pest management)	20	12	8	18	15	3	2	2	0
Range science and management	85	68	17	46	32	14	22	18	4
Plant sciences, other	51	32	19	32	22	10	21	16	5
Soil sciences	97	75	22	83	61	22	87	71	16
Agriculture/agricultural sciences, other	58	27	31	18	8	10	8	5	3
Conservation and renewable natural resources, total	3,101	2,251	850	1,008	662	346	231	192	39
Natural resources conservation, general	927	561	366	311	180	131	46	33	13
Natural resources management and policy	137	102	35	13	9	4	0	0	0
Fishing and fisheries sciences and management	156	126	30	77	51	26	27	25	2
Forest harvesting and production technology/technician	211	185	26	25	21	4	12	11	1
Forestry, general	832	691	141	413	274	139	117	100	17
Wildlife and wildlands management	661	476	185	140	107	33	17	15	2
Conservation and renewable natural resources, other	177	110	67	29	20	9	12	8	4
Architecture and related programs, total	9,781	5,788	3,993	3,490	2,244	1,246	135	101	34
Architecture	5,203	3,786	1,417	1,840	1,281	559	46	33	13
City/urban, community, and regional planning	429	284	145	1,097	663	434	75	60	15
Architectural environmental design	759	502	257	67	38	29	5	1	4
Interior architecture	2,016	234	1,782	25	6	19	3	1	2
Landscape architecture	928	649	279	293	152	141	2	2	0
Architectural urban design	0	0	0	66	46	20	0	0	0
Architecture and related programs, other	446	333	113	102	58	44	4	4	0
Area, ethnic, and cultural studies, total	4,884	1,860	3,024	1,263	637	626	167	94	73
Area studies, total	3,918	1,575	2,343	1,029	517	512	138	75	63
African studies	37	11	26	17	7	10	5	4	1
American studies/civilization	1,426	534	892	212	79	133	86	35	51
Latin American studies	321	110	211	163	86	77	6	5	1
Middle Eastern studies	50	32	18	60	31	29	16	12	4
Russian and Slavic studies	269	113	156	124	65	59	1	1	0
Asian studies	919	401	518	284	154	130	15	11	4
European studies	360	180	180	68	32	36	0	0	0
Area studies, other	536	194	342	101	63	38	9	7	2
Ethnic and cultural studies, total	803	226	577	127	50	77	22	14	8
Afro-American (black) studies	274	92	182	48	22	26	4	2	2
Hispanic-American studies	74	30	44	12	3	9	0	0	0
Women's studies	261	2	259	13	0	13	0	0	0
Ethnic studies, other	194	102	92	54	25	29	18	12	6
Area, ethnic and cultural studies, other	163	59	104	107	70	37	7	5	2
Biological sciences/life sciences, total	39,530	19,412	20,118	4,765	2,302	2,463	4,093	2,577	1,516
Biology, general	29,285	14,085	15,200	1,956	958	998	632	392	240
Biochemistry and biophysics	2,094	1,177	917	254	125	129	650	417	233
Botany, total	175	99	76	236	133	103	267	178	89
Botany, general	162	92	70	136	78	58	136	85	51
Plant pathology	7	3	4	93	51	42	103	71	32
Botany, other	6	4	2	7	4	3	28	22	6
Cell and molecular biology, total	816	477	339	81	40	41	261	163	98
Cell biology	89	47	42	26	16	10	61	38	23

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	419	247	172	40	20	20	141	87	54
Cell and molecular biology, other	308	183	125	15	4	11	59	38	21
Microbiology/bacteriology	1,757	799	958	324	163	161	419	248	171
Miscellaneous biological specializations, total	1,890	957	933	1,083	419	664	800	471	329
Anatomy	46	18	28	73	32	41	114	64	50
Ecology	567	343	224	219	130	89	96	62	34
Marine/aquatic biology	370	195	175	87	39	48	29	25	4
Neurosciences	105	60	45	38	21	17	118	71	47
Nutritional sciences	213	54	159	283	31	252	86	42	44
Toxicology	27	15	12	48	22	26	48	30	18
Genetics, plant and animal	187	81	106	109	39	70	185	113	72
Biometrics	20	6	14	99	36	63	44	20	24
Miscellaneous specialized areas, other	355	185	170	127	69	58	80	44	36
Zoology, total	2,673	1,372	1,301	640	358	282	833	558	275
Zoology, general	2,217	1,124	1,093	211	119	92	164	104	60
Entomology	52	42	10	118	69	49	140	108	32
Pathology, human and animal	9	2	7	42	23	19	112	78	34
Pharmacology, human and animal	23	9	14	47	28	19	205	133	72
Physiology, human and animal	372	195	177	222	119	103	210	133	77
Zoology, other	0	0	0	0	0	0	2	2	0
Biological sciences/life sciences, other	840	446	394	191	106	85	231	150	81
Business management and administrative services and marketing operations/marketing and distribution, total	249,311	131,624	117,687	78,255	50,883	27,372	1,185	876	309
Business management and administrative services, total	243,650	129,465	114,185	78,121	50,794	27,327	1,185	876	309
Business, general	40,110	21,087	19,023	14,373	9,640	4,733	227	170	57
Business administration and management, total	72,391	38,998	33,393	40,121	26,413	13,708	600	448	152
Office supervision and management	1,033	97	936	0	0	0	0	0	0
Operations management and supervision	1,341	1,041	300	294	221	73	12	12	0
Business administration and management, other	70,017	37,860	32,157	39,827	26,192	13,635	588	436	152
Accounting	45,860	21,172	24,688	3,611	2,014	1,597	38	25	13
Secretarial and related programs	589	72	517	0	0	0	0	0	0
Business/managerial economics	3,613	2,362	1,251	222	157	65	35	22	13
Small business management and ownership	120	96	24	13	9	4	0	0	0
Financial management and services, total	25,849	17,395	8,454	5,544	3,976	1,568	58	53	5
Finance, general	24,499	16,551	7,948	5,145	3,703	1,442	53	49	4
Actuarial sciences	268	164	104	66	41	25	0	0	0
Insurance and risk management	570	351	219	54	42	12	5	4	1
Investments and securities	512	329	183	279	190	89	0	0	0
Hospitality services management	6,388	3,260	3,128	475	277	198	3	2	1
Human resources management, total	6,383	2,897	3,486	2,070	882	1,188	58	29	29
Human resources management	4,521	1,967	2,554	1,156	485	671	14	2	12
Labor/industrial relations	1,101	563	538	723	321	402	19	16	3
Organizational behavior studies	761	367	394	191	76	115	25	11	14
International business	1,812	819	993	2,110	1,377	733	16	15	1
Business information systems, total	3,474	2,056	1,418	1,293	891	402	11	10	1
Management information systems and data processing, general	3,398	2,011	1,387	1,293	891	402	11	10	1
Business information systems, other	76	45	31	0	0	0	0	0	0
Quantitative methods and management science, total	1,635	932	703	620	474	146	26	18	8
Business statistics	0	0	0	0	0	0	0	0	0
Management science, other	1,635	932	703	620	474	146	26	18	8
Marketing management and research	29,529	14,770	14,759	2,389	1,241	1,148	50	39	11
Real estate	774	601	173	243	199	44	5	4	1
Taxation	0	0	0	1,179	715	464	0	0	0
Consumer and personal services	105	74	31	0	0	0	0	0	0
Business management and administrative services, other	5,018	2,874	2,144	3,858	2,529	1,329	58	41	17
Marketing operations/marketing and distribution, total	5,661	2,159	3,502	134	89	45	0	0	0
Apparel and accessories marketing operations	1,655	72	1,583	0	0	0	0	0	0
Business and personal services marketing operations	749	416	333	1	1	0	0	0	0
General/retailing and wholesaling operations and skills	2,485	1,310	1,175	23	16	7	0	0	0
Transportation and travel marketing	239	37	202	42	20	22	0	0	0
Marketing and distribution, other	533	324	209	68	52	16	0	0	0
Communications and communications technologies, total	52,773	20,645	32,128	4,336	1,711	2,625	274	151	123
Communications, total	51,650	20,043	31,607	4,123	1,618	2,505	259	140	119
Communications, general	24,652	9,208	15,444	1,527	587	940	170	95	75
Advertising	2,957	1,021	1,936	209	74	135	3	0	3
Journalism and mass communications, total	13,050	4,672	8,378	1,404	563	841	44	27	17
Journalism	12,019	4,229	7,790	1,382	554	828	43	27	16
Broadcast journalism	1,031	443	588	22	9	13	1	0	1
Public relations and organizational communications	1,897	575	1,322	127	26	101	0	0	0
Radio and television broadcasting	5,610	3,043	2,567	244	135	109	8	4	4
Communications, other	3,484	1,524	1,960	612	233	379	34	14	20
Communications technologies, total	1,123	602	521	213	93	120	15	11	4
Photographic technology	24	14	10	0	0	0	0	0	0
Radio and television technology	1,023	546	477	157	65	92	13	10	3
Communications technologies, other	76	42	34	56	28	28	2	1	1
Computer and information sciences, total	25,083	17,726	7,357	9,324	6,563	2,761	676	584	92

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Computer and information sciences, general	19,453	14,214	5,239	7,555	5,470	2,085	633	557	76
Computer programming	390	292	98	102	85	17	0	0	0
Data processing technology/technician	395	242	153	95	63	32	0	0	0
Information science and systems	3,707	2,271	1,436	1,177	697	480	24	12	12
Computer systems analysis	217	135	82	67	52	15	5	4	1
Computer and information sciences, other	921	572	349	328	196	132	14	11	3
Education, total	110,807	23,417	87,390	87,343	20,448	66,895	6,187	2,613	3,574
Education, general	1,996	326	1,670	9,560	2,351	7,209	1,079	407	672
Bilingual/bicultural education	112	7	105	140	25	115	12	2	10
Curriculum and instruction	582	36	546	5,799	1,105	4,694	693	242	451
Education administration and supervision, total	41	7	34	9,904	4,011	5,893	2,055	982	1,073
Education administration and supervision, general	27	3	24	6,571	2,691	3,880	1,494	727	767
Administration of special education	12	2	10	17	1	16	11	5	6
Adult and continuing education administration	0	0	0	117	39	78	44	19	25
Educational supervision	0	0	0	722	226	496	38	14	24
Elementary and secondary education administration	0	0	0	1,615	673	942	20	10	10
Higher education administration	1	1	0	374	159	215	328	158	170
Community and junior college education administration	0	0	0	89	42	47	6	5	1
Education administration and supervision, other	1	1	0	399	180	219	114	44	70
Educational/instructional media design	16	4	12	829	210	619	49	21	28
Educational evaluation, research and statistics, total	18	1	17	155	47	108	146	66	80
Educational evaluation and research, general	15	1	14	83	32	51	91	38	53
Educational statistics and research	3	0	3	20	6	14	30	15	15
Educational assessment, testing and measurement	0	0	0	52	9	43	25	13	12
Social and philosophical foundations of education	0	0	0	230	64	166	121	50	71
Special education, total	6,976	526	6,450	9,059	1,106	7,953	183	48	135
Special education, general	4,722	381	4,341	6,894	907	5,987	163	40	123
Education of the deaf and hearing impaired	220	12	208	185	17	168	0	0	0
Education of the gifted and talented	1	0	1	140	12	128	0	0	0
Education of the emotionally handicapped	197	26	171	208	37	171	1	1	0
Education of the mentally handicapped	543	24	519	194	16	178	0	0	0
Education of the multiple handicapped	70	6	64	96	12	84	1	1	0
Education of the physically handicapped	19	1	18	36	1	35	0	0	0
Education of the blind and visually handicapped	20	5	15	10	3	7	0	0	0
Education of the specific learning disabled	343	27	316	673	37	636	11	3	8
Education of the speech impaired	605	30	575	211	14	197	0	0	0
Special education, other	236	14	222	412	50	362	7	3	4
Counselor education/counseling and guidance services	49	6	43	11,094	2,445	8,649	361	144	217
General teacher education, total	64,257	5,541	58,716	20,887	2,988	17,899	391	142	249
Adult and continuing education	93	18	75	845	222	623	125	59	66
Elementary education	52,884	3,557	49,327	12,597	1,059	11,538	85	15	70
Junior high/intermediate/middle school education	1,093	183	910	482	80	402	0	0	0
Pre-elementary/early childhood/kindergarten education	5,385	84	5,301	1,689	23	1,666	28	5	23
Secondary education	4,483	1,680	2,803	3,720	1,276	2,444	96	46	50
Teacher education, general programs, other	319	19	300	1,554	328	1,226	57	17	40
Teacher education, academic and vocational programs	35,703	16,673	19,030	16,208	5,300	10,908	828	385	443
Agricultural education (vocational)	463	365	98	274	216	58	32	23	9
Art education	1,257	275	982	597	138	459	21	7	14
Business education (vocational)	1,920	434	1,486	557	99	458	26	9	17
Driver and safety education	37	31	6	59	50	9	0	0	0
English education	2,014	378	1,636	481	102	379	21	8	13
Foreign languages education	418	68	350	201	39	162	21	12	9
Health education	1,699	424	1,275	864	217	647	102	38	64
Home economics education (vocational)	426	7	419	152	3	149	15	2	13
Technology/industrial arts education	1,641	1,395	246	617	451	166	27	17	10
Marketing operations/marketing and distribution education	145	63	82	18	7	11	1	0	1
Mathematics education	1,786	660	1,126	733	218	515	38	15	23
Music education	2,883	1,192	1,691	881	359	522	71	37	34
Physical education and coaching	13,369	7,433	5,936	3,455	1,780	1,675	199	119	80
Reading education	179	12	167	3,691	171	3,520	69	11	58
Science education	1,498	649	849	854	342	512	52	21	31
Social science education	843	432	411	152	68	84	1	0	1
Social studies education	1,863	1,062	801	274	152	122	2	2	0
Technical education (vocational)	249	180	69	180	101	79	19	8	11
Trade and industrial education (vocational)	1,290	933	357	506	245	261	50	27	23
Teacher education, academic and vocational programs, other	1,723	680	1,043	1,662	542	1,120	61	29	32
Teaching English as a second language/foreign language	50	11	39	1,083	262	821	5	5	0
Education, other	1,007	279	728	2,395	534	1,861	264	119	145
Engineering and engineering-related technologies, total	78,650	67,738	10,912	24,958	21,430	3,528	5,272	4,787	485
Engineering, total	61,531	52,043	9,488	23,962	20,615	3,347	5,258	4,774	484
Engineering, general	2,423	2,051	372	1,216	1,040	176	251	234	17
Aerospace, aeronautical, and astronautical engineering	2,869	2,545	324	941	855	86	190	184	6
Agricultural engineering	447	395	52	173	160	13	70	61	9
Architectural engineering	522	418	104	39	32	7	0	0	0
Bioengineering and biomedical engineering	670	420	250	359	249	110	141	107	34
Ceramic sciences and engineering	310	257	53	102	82	20	56	46	10
Chemical engineering	3,444	2,338	1,106	903	735	168	611	544	67

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Civil engineering, general	7,314	6,193	1,121	2,927	2,521	406	536	496	40
Computer engineering	2,053	1,791	262	844	712	132	111	95	16
Electrical, electronics, and communications engineering	19,320	16,848	2,472	7,095	6,294	801	1,220	1,147	73
Engineering mechanics	140	124	16	162	145	17	101	96	5
Engineering physics	359	311	48	100	89	11	46	43	3
Engineering science	216	168	48	292	242	50	74	68	6
Environmental/environmental health engineering	158	124	34	434	307	127	46	35	11
Geological engineering	60	45	15	57	50	7	11	8	3
Geophysical engineering	13	12	1	9	8	1	2	1	1
Industrial/manufacturing engineering	3,736	2,686	1,050	2,029	1,599	430	217	189	28
Materials engineering	509	379	130	498	371	127	330	274	56
Mechanical engineering	13,977	12,423	1,554	3,516	3,173	343	757	708	49
Metallurgical engineering	346	276	70	181	148	33	88	79	9
Mining and mineral engineering	99	90	9	51	45	6	42	36	6
Naval architecture and marine engineering	283	260	23	50	47	3	15	14	1
Nuclear engineering	265	229	36	225	204	21	110	102	8
Ocean engineering	81	67	14	82	73	9	19	18	1
Petroleum engineering	202	181	21	118	114	4	28	27	1
Systems engineering	336	268	68	298	247	51	21	20	1
Textile sciences and engineering	50	31	19	20	20	0	1	1	0
Engineering, other	1,329	1,113	216	1,241	1,053	188	164	141	23
Engineering-related technologies, total	17,119	15,695	1,424	996	815	181	14	13	1
Architectural engineering technologies	744	669	75	24	23	1	0	0	0
Civil technologies	428	395	33	18	11	7	0	0	0
Electrical and electronic technologies	4,472	4,171	301	27	22	5	0	0	0
Electromechanical instrumentation and maintenance technologies	214	204	10	15	14	1	2	2	0
Environmental control technologies	140	110	30	105	61	44	0	0	0
Industrial production technologies	4,276	3,837	439	278	236	42	4	3	1
Quality control and safety technologies	296	228	68	137	110	27	0	0	0
Mechanical and related technologies	2,467	2,345	122	0	0	0	0	0	0
Mining and petroleum technologies	32	29	3	0	0	0	0	0	0
Surveying	92	78	14	21	20	1	4	4	0
Mechanics and repairers	200	188	12	0	0	0	0	0	0
Construction trades	24	20	4	0	0	0	0	0	0
Engineering and related technologies, other	3,734	3,421	313	371	318	53	4	4	0
English language and literature/letters, total	51,841	17,146	34,695	7,026	2,296	4,730	1,184	517	667
English language and literature, general	37,628	11,970	25,658	4,907	1,567	3,340	827	360	467
Comparative literature	777	255	522	242	93	149	128	48	80
English composition	188	55	133	17	5	12	9	4	5
English creative writing	704	295	409	677	280	397	8	5	3
American literature (United States)	32	16	16	2	0	2	3	3	0
English literature (British and Commonwealth)	1,813	607	1,206	261	62	199	51	25	26
Speech and rhetorical studies	9,367	3,470	5,897	675	210	465	106	48	58
English technical and business writing	96	33	63	97	28	69	0	0	0
English language and literature/letters, other	1,236	445	791	148	51	97	52	24	28
Foreign languages and literatures, total	13,133	3,739	9,394	2,800	918	1,882	758	345	413
Foreign languages and literatures, total	1,373	384	989	871	293	578	237	120	117
Foreign languages and literatures, general	809	207	602	267	76	191	47	27	20
Linguistics	564	177	387	604	217	387	190	93	97
East and southeast Asian languages and literatures, total	418	213	205	72	27	45	19	12	7
Chinese	150	65	85	24	8	16	9	6	3
Japanese	187	99	88	28	9	19	0	0	0
East and southeast Asian languages, other	81	49	32	20	10	10	10	6	4
East European languages and literatures, total	675	275	400	139	45	94	31	17	14
Russian languages	593	245	348	70	24	46	6	4	2
Slavic languages (other than Russian)	82	30	52	69	21	48	25	13	12
East European languages, other	0	0	0	0	0	0	0	0	0
Germanic languages and literatures, total	1,584	610	974	253	98	155	73	28	45
German	1,543	595	948	242	94	148	58	22	36
Scandinavian languages	30	12	18	3	0	3	3	1	2
Germanic languages, other	11	3	8	8	4	4	12	5	7
South Asian languages and literatures	3	3	0	2	1	1	6	4	2
Romance languages and literatures, total	8,176	1,877	6,299	1,185	316	869	289	104	185
French	3,355	619	2,736	480	109	371	98	34	64
Italian	253	70	183	36	8	28	21	8	13
Portuguese	33	18	15	4	0	4	5	2	3
Spanish	4,480	1,155	3,325	609	181	428	125	49	76
Romance languages, other	55	15	40	56	18	38	40	11	29
Middle Eastern languages and literatures, total	59	22	37	55	32	23	12	8	4
Arabic	9	6	3	0	0	0	1	0	1
Hebrew	43	15	28	46	27	19	7	5	2
Middle East languages, other	7	1	6	9	5	4	4	3	1
Classical and ancient Near East languages and literatures, total	635	290	345	147	79	68	45	23	22
Classics	474	212	262	123	66	57	42	22	20
Greek (ancient and medieval)	47	29	18	10	8	2	3	1	2

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Latin (ancient and medieval)	114	49	65	14	5	9	0	0	0
Foreign languages, other	210	65	145	76	27	49	46	29	17
Health professions and related sciences, total	59,070	9,596	49,474	21,200	4,444	16,756	1,613	694	919
Chiropractic	0	0	0	1	1	0	0	0	0
Communication disorders sciences and services	3,235	139	3,096	3,171	155	3,016	92	24	68
Community health liaison	584	102	482	636	159	477	83	43	40
Dentistry specialties	81	59	22	358	254	104	21	16	5
Dental services	691	9	682	24	1	23	0	0	0
Health services administration, total	3,078	717	2,361	3,042	1,004	2,038	43	20	23
Health services administration	2,185	600	1,585	2,522	824	1,698	27	14	13
Health unit manager/ward supervisor	1	0	1	0	0	0	0	0	0
Medical records administration	561	42	519	0	0	0	0	0	0
Medical records technology/technician	13	0	13	0	0	0	0	0	0
Health and medical administrative services, other	318	75	243	520	180	340	16	6	10
Health and medical assistants, total	643	292	351	119	45	74	0	0	0
Medical assisting	5	5	0	16	4	12	0	0	0
Physician assistant	619	286	333	103	41	62	0	0	0
Health and medical assistants, other	19	1	18	0	0	0	0	0	0
Health and medical diagnostic and treatment services, total	1,012	373	639	44	31	13	0	0	0
Respiratory therapy technology/technician	222	70	152	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	790	303	487	44	31	13	0	0	0
Medical laboratory technologies, total	2,471	681	1,790	1,373	487	886	133	68	65
Medical technology	2,081	526	1,555	90	31	59	2	2	0
Health and medical laboratory technologies/technicians, other	390	155	235	1,283	456	827	131	66	65
Health and medical preparatory programs, total	587	365	222	0	0	0	0	0	0
Pre-dentistry studies	45	36	9	0	0	0	0	0	0
Pre-medicine studies	514	317	197	0	0	0	0	0	0
Pre-pharmacy studies	4	1	3	0	0	0	0	0	0
Pre-veterinary studies	24	11	13	0	0	0	0	0	0
Medicine	113	69	44	37	24	13	6	4	2
Medical basic sciences	165	60	105	91	44	47	95	64	31
Mental health services, total	278	51	227	190	59	131	0	0	0
Alcohol/drug abuse counseling	86	32	54	54	19	35	0	0	0
Psychiatric/mental health services technician	137	11	126	65	21	44	0	0	0
Medical social work	55	8	47	62	16	46	0	0	0
Mental health services, other	0	0	0	9	3	6	0	0	0
Nursing	29,361	1,911	27,450	7,129	627	6,502	408	35	373
Optometry	198	102	96	19	13	6	5	4	1
Osteopathic medicine	4	3	1	4	3	1	0	0	0
Pharmacy [1]	6,068	2,359	3,709	289	162	127	205	129	76
Epidemiology	0	0	0	261	102	159	50	19	31
Rehabilitation/therapeutic services, total	6,438	1,208	5,230	2,479	531	1,948	18	6	12
Art therapy	30	0	30	132	9	123	0	0	0
Dance therapy	7	0	7	39	4	35	0	0	0
Music therapy	163	14	149	21	2	19	0	0	0
Occupational therapy	2,089	167	1,922	401	29	372	0	0	0
Orthotics/prosthetics	17	13	4	0	0	0	0	0	0
Physical therapy	3,425	895	2,530	1,087	301	786	6	1	5
Recreational therapy	165	43	122	3	1	2	0	0	0
Vocational rehabilitation counseling	200	35	165	602	144	458	9	3	6
Rehabilitative services, other	342	41	301	194	41	153	3	2	1
Veterinary medicine	196	76	120	107	62	45	102	69	33
Miscellaneous health professions	40	18	22	37	14	23	0	0	0
Health professions and related sciences, other	3,827	1,002	2,825	1,789	666	1,123	352	193	159
Home economics and vocational home economics, total	14,892	1,564	13,328	2,019	299	1,720	253	62	191
Home economics, total	13,785	1,249	12,536	1,938	290	1,648	235	56	179
Home economics, general	3,184	171	3,013	340	17	323	35	4	31
Home economics business services	242	17	225	0	0	0	0	0	0
Family and community studies	223	26	197	56	16	40	0	0	0
Family and consumer resource management	845	284	561	40	5	35	26	7	19
Food and nutrition studies	2,572	306	2,266	464	46	418	35	13	22
Housing studies	702	82	620	41	12	29	1	0	1
Individual and family development studies	3,350	240	3,110	887	185	702	114	29	85
Clothing/apparel and textile studies	2,447	108	2,339	68	6	62	21	3	18
Home economics, other	220	15	205	42	3	39	3	0	3
Vocational home economics, total	1,107	315	792	81	9	72	18	6	12
Child care and guidance management	408	6	402	59	6	53	16	6	10
Custodial, housekeeping and home services workers and managers	54	27	27	6	2	4	0	0	0
Vocational home economics, other	645	282	363	16	1	15	2	0	2
Law and legal studies, total	1,758	573	1,185	2,057	1,443	614	90	65	25
Law, general	41	28	13	1,050	747	303	86	62	24
Pre-law studies	313	174	139	0	0	0	0	0	0
Paralegal/legal assistant	666	92	574	3	2	1	0	0	0
Law and legal studies, other	738	279	459	1,004	694	310	4	3	1
Liberal arts and sciences, general studies, and humanities, total	30,526	12,247	18,279	2,213	745	1,468	70	36	34
Liberal arts and sciences/liberal studies	14,423	6,255	8,168	1,456	507	949	6	3	3

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Humanities/humanistic studies	3,834	1,324	2,510	477	151	326	34	18	16
Liberal arts and sciences, general studies, other	12,269	4,668	7,601	280	87	193	30	15	15
Library science, total	90	6	84	4,763	991	3,772	56	22	34
Library science/librarianship	88	6	82	4,732	983	3,749	56	22	34
Library science, other	2	0	2	31	8	23	0	0	0
Mathematics, total	15,310	8,178	7,132	4,041	2,446	1,595	1,036	837	199
Mathematics, general	12,552	6,457	6,095	2,423	1,414	1,009	706	577	129
Applied mathematics, total	1,819	1,151	668	889	617	272	152	125	27
Applied mathematics, general	902	553	349	397	267	130	94	78	16
Operations research (quantitative methods)	917	598	319	492	350	142	58	47	11
Mathematical statistics	447	253	194	631	355	276	165	122	43
Mathematics, other	492	317	175	98	60	38	13	13	0
Multi/interdisciplinary studies, total	17,561	8,036	9,525	1,796	915	881	220	128	92
Biological and physical sciences	2,370	1,291	1,079	241	124	117	22	16	6
Systems science	57	35	22	58	33	25	10	10	0
Museology/museum studies	3	0	3	40	7	33	0	0	0
Multi/interdisciplinary studies, other	15,131	6,710	8,421	1,457	751	706	188	102	86
Parks, recreation, leisure, and fitness studies, total	4,315	1,869	2,446	483	206	277	28	15	13
Parks, recreation and leisure studies	1,795	741	1,054	175	75	100	15	7	8
Parks, recreation and leisure facilities management	2,018	873	1,145	168	62	106	10	7	3
Health and physical education/fitness	253	107	146	90	37	53	1	0	1
Parks, recreation, leisure and fitness studies, other	249	148	101	50	32	18	2	1	1
Philosophy and religion, total	7,315	4,657	2,658	1,441	833	608	456	344	112
Philosophy	4,588	3,074	1,514	539	379	160	281	212	69
Religion/religious studies	2,376	1,375	1,001	609	383	226	175	132	43
Philosophy and religion, other	351	208	143	293	71	222	0	0	0
Physical sciences and science technologies, total	16,344	11,176	5,168	5,309	3,837	1,472	4,290	3,447	843
Physical sciences, total	16,252	11,129	5,123	5,268	3,817	1,451	4,281	3,440	841
Physical sciences, general	455	296	159	59	42	17	0	0	0
Astronomy	104	80	24	83	66	17	55	48	7
Astrophysics	46	31	15	6	6	0	21	18	3
Atmospheric science and meteorology	360	303	57	172	138	34	78	66	12
Chemistry, total	8,321	4,983	3,338	1,665	989	676	2,238	1,693	545
Chemistry, general	8,111	4,855	3,256	1,546	914	632	2,060	1,551	509
Analytical chemistry	0	0	0	20	13	7	23	17	6
Inorganic chemistry	0	0	0	6	3	3	12	10	2
Organic chemistry	8	5	3	8	6	2	19	18	1
Medicinal/pharmaceutical chemistry	10	6	4	28	14	14	42	30	12
Chemistry, other	192	117	75	57	39	18	82	67	15
Geological and related sciences, total	1,784	1,233	551	1,089	822	267	446	364	82
Geology	1,655	1,147	508	919	690	229	338	278	60
Geochemistry	5	3	2	12	10	2	16	10	6
Geophysics and seismology	50	36	14	64	54	10	58	47	11
Geological and related sciences, other	74	47	27	94	68	26	34	29	5
Miscellaneous physical sciences, total	656	455	201	332	220	112	168	121	47
Metallurgy	1	0	1	6	6	0	7	7	0
Oceanography	155	114	41	134	92	42	87	62	25
Earth science	428	296	132	113	70	43	67	47	20
Miscellaneous physical sciences, other	72	45	27	79	52	27	7	5	2
Physics, total	4,236	3,572	664	1,725	1,441	284	1,209	1,076	133
Physics, general	4,044	3,427	617	1,609	1,346	263	1,129	1,008	121
Physics, other	192	145	47	116	95	21	80	68	12
Physical sciences, other	290	176	114	137	93	44	66	54	12
Science technologies, total	92	47	45	41	20	21	9	7	2
Precision production trades, total	460	309	151	0	0	0	0	0	0
Drafting, general	184	146	38	0	0	0	0	0	0
Precision production trades, other	276	163	113	0	0	0	0	0	0
Protective services, total	16,806	10,405	6,401	1,108	739	369	28	12	16
Criminal justice and corrections, total	16,603	10,225	6,378	1,085	717	368	28	12	16
Corrections/correctional administration	702	369	333	107	68	39	0	0	0
Criminal justice/law enforcement administration	4,508	2,835	1,673	342	218	124	0	0	0
Criminal justice studies	8,307	4,978	3,329	510	361	149	28	12	16
Forensic studies	418	235	183	57	37	20	0	0	0
Law enforcement	1,871	1,335	536	43	22	21	0	0	0
Criminal justice, other	797	473	324	26	11	15	0	0	0
Fire control and safety	176	164	12	23	22	1	0	0	0
Protective services, other	27	16	11	0	0	0	0	0	0
Psychology, total	58,655	16,067	42,588	11,349	3,329	8,020	3,932	1,520	2,412
Psychology, general	55,463	15,283	40,180	4,186	1,439	2,747	1,620	674	946
Clinical psychology	82	12	70	808	242	566	1,035	368	667
Counseling psychology	205	45	160	2,814	706	2,108	241	98	143
Developmental and child psychology	539	50	489	109	16	93	32	13	19
Experimental psychology	202	48	154	50	22	28	66	27	39
Industrial and organizational psychology	129	52	77	482	196	286	82	36	46
Physiological psychology/psychobiology	101	35	66	4	2	2	16	8	8
Social psychology	446	157	289	76	18	58	32	16	16
School psychology	204	28	176	1,618	354	1,264	510	192	318

Table 36.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1990–91—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Psychology, other	1,284	357	927	1,202	334	868	298	88	210
Public administration and services, total	14,350	3,215	11,135	17,905	5,679	12,226	430	190	240
Public administration	2,405	1,240	1,165	5,876	3,179	2,697	111	75	36
Community organization, resources and services	932	214	718	222	73	149	9	5	4
Public policy analysis	356	165	191	436	250	186	51	33	18
Public works	0	0	0	7	7	0	0	0	0
Social work	10,325	1,401	8,924	10,817	1,972	8,845	231	67	164
Public affairs, other	332	195	137	547	198	349	28	10	18
R.O.T.C. and military technologies, total	183	157	26	0	0	0	0	0	0
Social sciences and history, total	125,107	68,701	56,406	12,233	7,016	5,217	3,012	1,956	1,056
Social sciences, general	6,411	2,761	3,650	525	243	282	29	18	11
Anthropology	4,105	1,445	2,660	811	340	471	330	130	200
Archeology	92	34	58	40	10	30	15	7	8
Criminology	1,546	881	665	49	33	16	2	2	0
Demography and population studies	10	5	5	30	12	18	12	4	8
Economics	23,488	16,374	7,114	1,951	1,387	564	802	649	153
Geography, total	3,427	2,305	1,122	623	413	210	119	82	37
Geography	3,397	2,282	1,115	622	413	209	119	82	37
Cartography	30	23	7	1	0	1	0	0	0
History	24,541	15,133	9,408	2,591	1,561	1,030	606	385	221
International relations and affairs	5,180	2,145	3,035	1,677	989	688	61	45	16
Political science and government, general	35,737	20,806	14,931	1,772	1,111	661	468	353	115
Sociology	17,550	5,398	12,152	1,260	502	758	465	232	233
Urban affairs/studies	610	329	281	343	168	175	29	14	15
Social sciences and history, other	2,410	1,085	1,325	561	247	314	74	35	39
Theological studies and religious vocations, total	4,813	3,649	1,164	4,810	3,075	1,735	1,079	941	138
Biblical and other theological languages and literatures	14	14	0	7	7	0	3	3	0
Bible/biblical studies	1,552	1,192	360	355	300	55	10	10	0
Missions/missionary studies and missology	346	226	120	183	133	50	50	47	3
Religious education	818	491	327	876	460	416	35	23	12
Religious/sacred music	199	105	94	108	64	44	6	5	1
Theology/theological studies	1,245	1,090	155	2,327	1,494	833	747	660	87
Pastoral counseling and specialized ministries	0	0	0	302	153	149	4	4	0
Theological studies and religious vocations, other	639	531	108	652	464	188	224	189	35
Transportation and material moving workers, total	2,622	2,331	291	406	377	29	0	0	0
Water transportation workers	235	214	21	0	0	0	0	0	0
Transportation and material moving, other	2,387	2,117	270	406	377	29	0	0	0
Visual and performing arts, total	42,186	15,761	26,425	8,657	3,830	4,827	838	466	372
Visual and performing arts, general	2,256	812	1,444	248	109	139	14	10	4
Crafts, folk art, and artisanry	118	42	76	9	2	7	0	0	0
Dance	732	59	673	182	37	145	3	0	3
Design and applied art	5,893	2,283	3,610	316	140	176	2	0	2
Dramatic/theater arts and stagecraft	5,061	1,967	3,094	1,177	587	590	86	43	43
Film/video and photographic arts, total	2,148	1,244	904	381	218	163	5	2	3
Film-video making/cinematography and production	777	495	282	194	119	75	5	2	3
Photography	860	428	432	99	57	42	0	0	0
Film arts, other	511	321	190	88	42	46	0	0	0
Fine arts and art studies, total	18,424	5,766	12,658	3,002	1,120	1,882	155	50	105
Art, general	11,854	3,937	7,917	1,593	677	916	27	14	13
Art history, criticism and conservation	2,564	450	2,114	489	103	386	101	28	73
Arts management	95	18	77	66	13	53	0	0	0
Painting	751	297	454	216	100	116	0	0	0
Ceramic arts and ceramics	181	59	122	49	21	28	0	0	0
Fiber, textile and weaving arts	108	8	100	28	5	23	5	0	5
Metal and jewelry arts	77	13	64	14	4	10	0	0	0
Fine arts and art studies, other	2,794	984	1,810	547	197	350	22	8	14
Music, total	6,989	3,355	3,634	3,267	1,579	1,688	567	357	210
Music, general	3,475	1,600	1,875	979	470	509	241	159	82
Music history and literature	63	35	28	58	29	29	37	19	18
Music, general performance	2,481	1,105	1,376	1,663	757	906	167	93	74
Music theory and composition	217	150	67	190	123	67	57	42	15
Music, other	753	465	288	377	200	177	65	44	21
Visual and performing arts, other	565	233	332	75	38	37	6	4	2
Not classified by field of study	13,258	7,621	5,637	8,523	4,686	3,837	747	423	324

[1] Includes pre-pharmacy studies.

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1994.)

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,136,553**	**520,811**	**615,742**	**352,838**	**161,842**	**190,996**	**40,659**	**25,557**	**15,102**
Agriculture and natural resources, total	15,124	9,869	5,255	3,735	2,413	1,322	1,214	963	251
Agricultural business and production, total	4,682	3,392	1,290	687	490	197	176	147	29
Agricultural business and management, total	3,349	2,458	891	534	385	149	139	115	24
Agricultural business and management, general	692	450	242	56	36	20	0	0	0
Agricultural business/agribusiness operations	1,014	783	231	18	15	3	0	0	0
Agricultural economics	1,487	1,103	384	449	326	123	139	115	24
Agricultural business and management, other	156	122	34	11	8	3	0	0	0
Agricultural mechanization	177	172	5	7	7	0	0	0	0
Agricultural production workers and managers	106	82	24	56	50	6	12	11	1
Horticulture service operations and management	370	266	104	25	15	10	13	12	1
International agriculture	15	9	6	15	7	8	0	0	0
Agricultural business and production, other	665	405	260	50	26	24	12	9	3
Agricultural sciences, total	5,793	3,384	2,409	1,592	1,012	580	773	601	172
Agriculture/agricultural sciences, general	847	600	247	132	87	45	2	2	0
Animal sciences, total	2,858	1,429	1,429	454	291	163	228	182	46
Animal sciences, general	2,369	1,151	1,218	343	217	126	169	134	35
Agricultural animal breeding and genetics	11	2	9	8	5	3	8	8	0
Agricultural animal health	8	1	7	15	6	9	9	9	0
Agricultural animal nutrition	0	0	0	3	1	2	4	2	2
Dairy science	124	94	30	34	22	12	10	8	2
Poultry science	100	73	27	28	21	7	17	13	4
Animal sciences, other	246	108	138	23	19	4	11	8	3
Food sciences and technology	449	198	251	306	143	163	133	83	50
Plant sciences, total	1,362	983	379	531	378	153	329	266	63
Plant sciences, general	201	130	71	60	39	21	28	20	8
Agronomy and crop science	438	376	62	255	203	52	188	154	34
Horticulture science	477	295	182	146	82	64	60	46	14
Plant breeding and genetics	0	0	0	9	9	0	15	13	2
Agricultural plant pathology	1	0	1	4	3	1	9	8	1
Plant protection (pest management)	17	15	2	18	11	7	3	3	0
Range science and management	111	78	33	39	31	8	26	22	4
Plant sciences, other	117	89	28	0	0	0	0	0	0
Soil sciences	94	70	24	91	67	24	59	53	6
Agriculture/agricultural sciences, other	183	104	79	78	46	32	22	15	7
Conservation and renewable natural resources, total	4,649	3,093	1,556	1,456	911	545	265	215	50
Natural resources conservation, general	2,005	1,130	875	627	362	265	72	50	22
Natural resources management and policy	280	186	94	101	67	34	3	3	0
Fishing and fisheries sciences and management	183	153	30	88	62	26	21	18	3
Forest harvesting and production technology/technician	191	160	31	21	19	2	20	17	3
Forestry, general	946	749	197	423	282	141	123	105	18
Wildlife and wildlands management	808	571	237	127	83	44	15	13	2
Conservation and renewable natural resources, other	236	144	92	69	36	33	11	9	2
Architecture and related programs, total	8,753	5,805	2,948	3,640	2,271	1,369	132	93	39
Architecture	5,001	3,598	1,403	1,832	1,258	574	50	35	15
City/urban, community, and regional planning	481	349	132	1,212	712	500	75	53	22
Architectural environmental design	799	551	248	74	33	41	2	1	1
Interior architecture	844	117	727	19	3	16	4	3	1
Landscape architecture	1,064	782	282	323	169	154	0	0	0
Architectural urban design and planning	0	0	0	63	37	26	0	0	0
Architecture and related programs, other	564	408	156	117	59	58	1	1	0
Area, ethnic, and cultural studies, total	5,342	1,907	3,435	1,385	688	697	155	90	65
Area studies, total	4,029	1,514	2,515	1,057	515	542	123	68	55
African studies	45	20	25	24	9	15	5	4	1
American studies/civilization	1,597	577	1,020	238	98	140	72	32	40
Latin American studies	339	104	235	220	122	98	5	4	1
Middle Eastern studies	63	29	34	73	32	41	16	12	4
Russian and Slavic studies	321	120	201	120	66	54	0	0	0
Asian studies	991	470	521	278	133	145	11	9	2
European studies	257	85	172	46	20	26	9	3	6
Area studies, other	416	109	307	58	35	23	5	4	1
Ethnic and cultural studies, total	1,063	316	747	169	62	107	11	5	6
Afro-American (black) studies	410	148	262	62	28	34	5	2	3
Hispanic-American studies	87	36	51	24	11	13	0	0	0
Women's studies	330	4	326	24	0	24	0	0	0
Ethnic studies, other	236	128	108	59	23	36	6	3	3
Area, ethnic and cultural studies, other	250	77	173	159	111	48	21	17	4
Biological sciences/life sciences, total	42,941	20,798	22,143	4,785	2,301	2,484	4,243	2,620	1,623
Biology, general	31,909	15,109	16,800	1,995	1,001	994	657	404	253
Biochemistry and biophysics	2,148	1,204	944	239	120	119	620	382	238
Botany, total	222	93	129	220	111	109	293	194	99
Botany, general	207	88	119	130	69	61	156	95	61
Plant pathology	12	5	7	79	37	42	85	59	26
Botany, other	3	0	3	11	5	6	52	40	12
Cell and molecular biology, total	1,108	638	470	180	93	87	323	198	125
Cell biology	122	67	55	75	33	42	103	56	47

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	425	252	173	80	47	33	157	101	56
Cell and molecular biology, other	561	319	242	25	13	12	63	41	22
Microbiology/bacteriology	1,722	842	880	336	164	172	454	251	203
Miscellaneous biological specializations, total	1,853	871	982	1,062	396	666	872	504	368
Anatomy	31	10	21	59	29	30	95	53	42
Ecology	438	235	203	194	106	88	80	49	31
Marine/aquatic biology	394	196	198	100	59	41	29	21	8
Neurosciences	111	68	43	46	26	20	119	73	46
Nutritional sciences	284	53	231	288	30	258	115	38	77
Toxicology	60	29	31	65	30	35	70	46	24
Genetics, plant and animal	147	73	74	123	32	91	170	105	65
Biometrics	23	16	7	30	10	20	20	13	7
Miscellaneous specialized areas, other	365	191	174	157	74	83	174	106	68
Zoology, total	2,840	1,466	1,374	620	335	285	818	563	255
Zoology, general	2,350	1,183	1,167	214	103	111	161	112	49
Entomology	65	49	16	120	79	41	132	98	34
Pathology, human and animal	12	7	5	33	15	18	101	65	36
Pharmacology, human and animal	27	16	11	58	28	30	223	147	76
Physiology, human and animal	353	188	165	195	110	85	201	141	60
Zoology, other	33	23	10	0	0	0	0	0	0
Biological sciences/life sciences, other	1,139	575	564	133	81	52	206	124	82
Business management and administrative services and marketing operations/marketing and distribution, total	256,603	135,440	121,163	84,642	54,705	29,937	1,242	953	289
Business management and administrative services, total	249,062	132,450	116,612	84,047	54,369	29,678	1,238	952	286
Business, general	27,742	14,777	12,965	12,424	8,300	4,124	241	177	64
Business administration and management, total	87,652	46,864	40,788	46,752	30,463	16,289	608	470	138
Office supervision and management	953	86	867	0	0	0	0	0	0
Operations management and supervision	1,532	1,137	395	455	343	112	9	8	1
Business administration and management, other	85,167	45,641	39,526	46,297	30,120	16,177	599	462	137
Accounting	47,606	21,956	25,650	3,287	1,778	1,509	73	59	14
Secretarial and related programs	636	137	499	1	0	1	9	8	1
Business/managerial economics	3,779	2,444	1,335	159	108	51	20	14	6
Small business management and ownership	282	184	98	18	11	7	0	0	0
Finance, general and banking and financial support services	24,375	16,633	7,742	5,068	3,661	1,407	55	51	4
Actuarial sciences	351	218	133	76	43	33	0	0	0
Insurance and risk management and financial planning	610	389	221	70	46	24	12	9	3
Investments and securities	327	179	148	253	173	80	0	0	0
Hospitality services management	5,929	2,731	3,198	460	260	200	0	0	0
Human resources management	4,549	1,840	2,709	1,202	488	714	8	5	3
Labor/personnel relations and studies	1,218	556	662	759	308	451	12	5	7
Organizational behavior studies	805	352	453	199	88	111	15	9	6
International business	1,978	901	1,077	2,532	1,656	876	21	16	5
Business information systems, total	4,878	2,838	2,040	1,565	1,078	487	8	6	2
Management information systems and data processing, general	4,528	2,611	1,917	1,440	982	458	8	6	2
Business information systems, other	350	227	123	125	96	29	0	0	0
Quantitative methods and management science, total	1,881	1,118	763	747	563	184	45	35	10
Business statistics	44	24	20	23	20	3	7	5	2
Management science, other	1,837	1,094	743	724	543	181	38	30	8
Marketing management and research	28,390	14,741	13,649	2,223	1,242	981	42	29	13
Real estate	752	577	175	355	287	68	0	0	0
Taxation	4	3	1	1,479	905	574	0	0	0
Consumer and personal services	155	111	44	3	0	3	0	0	0
Business management and administrative services, other	5,163	2,901	2,262	4,415	2,911	1,504	69	59	10
Marketing operations/marketing and distribution, total	7,541	2,990	4,551	595	336	259	4	1	3
Apparel and accessories marketing operations	1,799	63	1,736	1	0	1	2	0	2
Business and personal services marketing operations	576	341	235	5	3	2	0	0	0
General/retailing and wholesaling operations and skills	4,292	2,089	2,203	452	231	221	2	1	1
Transportation and travel marketing	173	41	132	19	11	8	0	0	0
Marketing and distribution, other	701	456	245	118	91	27	0	0	0
Communications and communications technologies, total	54,977	21,497	33,480	4,464	1,692	2,772	255	132	123
Communications, total	54,257	21,150	33,107	4,180	1,537	2,643	252	131	121
Communications, general	25,363	9,522	15,841	1,445	509	936	158	78	80
Advertising	3,342	1,172	2,170	182	42	140	4	2	2
Journalism	11,835	4,162	7,673	1,445	546	899	33	18	15
Broadcast journalism	537	226	311	0	0	0	0	0	0
Public relations and organizational communications	2,138	669	1,469	122	28	94	0	0	0
Radio and television broadcasting	6,398	3,462	2,936	351	177	174	18	10	8
Communications, other	4,644	1,937	2,707	635	235	400	39	23	16
Communications technologies, total	720	347	373	284	155	129	3	1	2
Photographic technology	19	7	12	0	0	0	0	0	0
Radio and television technology	648	313	335	226	113	113	3	1	2
Communications technologies, other	53	27	26	58	42	16	0	0	0
Computer and information sciences, total	24,557	17,510	7,047	9,530	6,884	2,646	772	669	103
Computer and information sciences, general	16,004	11,688	4,316	6,985	5,210	1,775	667	590	77
Computer programming	375	233	142	71	45	26	0	0	0
Data processing technology/technician	288	163	125	76	56	20	0	0	0

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Information science and systems	3,556	2,225	1,331	1,203	703	500	22	9	13
Computer systems analysis	279	186	93	73	60	13	6	6	0
Computer and information sciences, other	4,055	3,015	1,040	1,122	810	312	77	64	13
Education, total	108,006	22,686	85,320	92,668	21,244	71,424	6,864	2,783	4,081
Education, general	2,176	346	1,830	10,167	2,471	7,696	1,141	420	721
Bilingual/bicultural education	63	4	59	153	24	129	10	5	5
Curriculum and instruction	42	6	36	6,957	1,340	5,617	863	280	583
Education administration and supervision, total	20	4	16	10,329	4,026	6,303	2,131	1,002	1,129
Education administration and supervision, general	3	1	2	6,849	2,740	4,109	1,502	729	773
Administration of special education	12	2	10	9	1	8	15	2	13
Adult and continuing education administration	0	0	0	129	26	103	61	25	36
Educational supervision	0	0	0	725	214	511	26	11	15
Elementary, middle, and secondary education administration	5	1	4	1,726	701	1,025	33	14	19
Higher education administration	0	0	0	384	145	239	359	158	201
Community and junior college education administration	0	0	0	85	23	62	2	2	0
Education administration and supervision, other	0	0	0	422	176	246	133	61	72
Educational/instructional media design	9	2	7	931	239	692	64	24	40
Educational evaluation and research, general	19	3	16	44	17	27	30	14	16
Educational statistics and research methods	0	0	0	38	21	17	28	8	20
Educational assessment, testing and measurement	0	0	0	79	16	63	39	18	21
Social and philosophical foundations of education	0	0	0	243	64	179	125	52	73
Special education, total	7,867	597	7,270	9,420	1,214	8,206	192	51	141
Special education, general	5,332	449	4,883	7,194	938	6,256	173	48	125
Education of the deaf and hearing impaired	236	4	232	175	25	150	0	0	0
Education of the gifted and talented	1	0	1	184	19	165	0	0	0
Education of the emotionally handicapped	240	31	209	207	52	155	1	1	0
Education of the mentally handicapped	551	27	524	221	30	191	2	1	1
Education of the multiple handicapped	85	7	78	114	19	95	0	0	0
Education of the physically handicapped	29	6	23	47	7	40	0	0	0
Education of the blind and visually handicapped	25	3	22	17	2	15	0	0	0
Education of the specific learning disabled	468	19	449	661	61	600	7	0	7
Education of the speech impaired	653	19	634	288	22	266	0	0	0
Special education, other	247	32	215	312	39	273	9	1	8
Counselor education/counseling and guidance services	44	12	32	11,429	2,515	8,914	372	159	213
General teacher education, total	62,688	5,923	56,765	21,779	3,191	18,588	441	139	302
Adult and continuing education	99	25	74	805	236	569	145	56	89
Elementary education	50,619	3,856	46,763	13,122	1,191	11,931	88	18	70
Junior high/intermediate/middle school education	1,247	233	1,014	568	82	486	0	0	0
Pre-elementary/early childhood/kindergarten education	6,179	130	6,049	1,913	39	1,874	27	1	26
Secondary education	4,153	1,631	2,522	3,598	1,263	2,335	73	25	48
Teacher education, general programs, other	391	48	343	1,773	380	1,393	108	39	69
Teacher education, academic and vocational programs	34,273	15,619	18,654	16,413	5,084	11,329	865	422	443
Agricultural education (vocational)	408	301	107	237	169	68	39	27	12
Art education	1,371	249	1,122	580	99	481	40	11	29
Business education (vocational)	1,723	380	1,343	557	107	450	13	7	6
Driver and safety education	42	33	9	61	44	17	1	1	0
English education	2,638	475	2,163	663	142	521	23	10	13
Foreign languages education	330	44	286	203	37	166	19	9	10
Health education	1,655	440	1,215	804	178	626	107	38	69
Home economics education (vocational)	408	12	396	161	5	156	10	1	9
Technology/industrial arts education	1,495	1,266	229	515	372	143	20	16	4
Marketing operations/marketing and distribution education	122	57	65	27	6	21	0	0	0
Mathematics education	1,834	661	1,173	850	281	569	27	15	12
Music education	2,885	1,198	1,687	796	341	455	84	44	40
Physical education and coaching	11,792	6,676	5,116	3,003	1,598	1,405	173	96	77
Reading education	210	25	185	4,097	179	3,918	83	12	71
Science education	1,138	487	651	789	336	453	47	28	19
Social science education	725	363	362	129	55	74	4	3	1
Social studies education	2,270	1,282	988	417	239	178	3	2	1
Technical education (vocational)	231	145	86	296	149	147	41	24	17
Trade and industrial education (vocational)	1,080	762	318	459	194	265	69	46	23
Teacher education, academic and vocational programs, other	1,916	763	1,153	1,769	553	1,216	62	32	30
Teaching English as a second language/foreign language	48	12	36	1,305	289	1,016	3	2	1
Education, other	757	158	599	3,381	733	2,648	560	187	373
Engineering and engineering-related technologies, total	77,541	66,716	10,825	25,977	22,143	3,834	5,499	4,972	527
Engineering, total	61,206	51,768	9,438	24,983	21,327	3,656	5,488	4,961	527
Engineering, general	2,090	1,769	321	1,165	983	182	268	241	27
Aerospace, aeronautical, and astronautical engineering	2,996	2,658	338	933	850	83	226	216	10
Agricultural engineering	500	431	69	161	143	18	83	76	7
Architectural engineering	532	421	111	31	27	4	0	0	0
Bioengineering and biomedical engineering	623	402	221	407	283	124	137	107	30
Ceramic sciences and engineering	288	235	53	93	77	16	38	31	7
Chemical engineering	3,754	2,576	1,178	956	740	216	590	491	99
Civil engineering	8,034	6,712	1,322	3,113	2,648	465	540	498	42
Computer engineering	2,093	1,826	267	908	756	152	91	83	8

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Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Electrical, electronics, and communications engineering	17,958	15,811	2,147	7,360	6,468	892	1,282	1,182	100
Engineering mechanics	150	131	19	171	155	16	102	92	10
Engineering physics	342	289	53	91	80	11	50	48	2
Engineering science	254	206	48	249	197	52	33	30	3
Environmental/environmental health engineering	214	152	62	604	440	164	72	51	21
Geological engineering	90	68	22	32	26	6	11	10	1
Geophysical engineering	13	8	5	8	5	3	4	4	0
Industrial/manufacturing engineering	3,679	2,623	1,056	2,012	1,596	416	220	191	29
Material engineering	526	385	141	482	389	93	304	261	43
Mechanical engineering	14,067	12,545	1,522	3,653	3,298	355	851	814	37
Metallurgical engineering	255	208	47	159	136	23	80	74	6
Mining and mineral engineering	101	89	12	65	53	12	28	26	2
Naval architecture and marine engineering	328	312	16	26	26	0	10	10	0
Nuclear engineering	256	226	30	209	178	31	122	113	9
Ocean engineering	108	86	22	103	88	15	24	22	2
Petroleum engineering	238	212	26	123	115	8	50	46	4
Systems engineering	333	270	63	330	260	70	30	28	2
Textile sciences and engineering	54	27	27	25	19	6	2	2	0
Engineering, other	1,330	1,090	240	1,514	1,291	223	240	214	26
Engineering-related technologies, total	16,335	14,948	1,387	994	816	178	11	11	0
Architectural engineering technologies	664	597	67	0	0	0	0	0	0
Civil technologies	401	370	31	1	1	0	0	0	0
Electrical and electronic technologies	4,364	4,091	273	34	32	2	0	0	0
Electromechanical instrumentation and maintenance technologies	345	315	30	11	9	2	2	2	0
Environmental control technologies	164	122	42	58	37	21	0	0	0
Industrial production technologies	4,352	3,902	450	331	283	48	5	5	0
Quality control and safety technologies	350	276	74	218	165	53	0	0	0
Mechanical and related technologies	1,668	1,599	69	0	0	0	0	0	0
Mining and petroleum technologies	36	32	4	0	0	0	0	0	0
Surveying	107	97	10	25	20	5	4	4	0
Mechanics and repairers	78	77	1	0	0	0	0	0	0
Construction trades	67	65	2	0	0	0	0	0	0
Engineering and related technologies, other	3,739	3,405	334	316	269	47	0	0	0
English language and literature/letters, total	54,951	18,536	36,415	7,450	2,513	4,937	1,273	537	736
English language and literature, general	40,514	13,191	27,323	5,037	1,716	3,321	893	370	523
Comparative literature	701	222	479	235	72	163	131	53	78
English composition	307	145	162	14	6	8	7	4	3
English creative writing	783	322	461	720	305	415	3	0	3
American literature (United States)	26	13	13	1	0	1	3	0	3
English literature (British and Commonwealth)	1,513	538	975	373	110	263	64	28	36
Speech and rhetorical studies	9,650	3,584	6,066	768	218	550	121	61	60
English technical and business writing	115	41	74	110	35	75	0	0	0
English language and literature/letters, other	1,342	480	862	192	51	141	51	21	30
Foreign languages and literatures, total	13,903	3,985	9,918	2,926	971	1,955	850	378	472
Foreign languages and literatures, general	1,488	432	1,056	872	294	578	252	120	132
Linguistics	919	262	657	289	89	200	45	18	27
East and southeast Asian languages and literatures, total	569	170	399	583	205	378	207	102	105
Chinese	554	288	266	87	28	59	28	18	10
Japanese	183	82	101	36	14	22	14	11	3
East and southeast Asian languages, other	257	132	125	30	5	25	6	5	1
East European languages and literatures, total	114	74	40	21	9	12	8	2	6
Russian languages	703	271	432	140	60	80	34	12	22
Slavic languages (other than Russian)	629	244	385	68	31	37	7	3	4
East European languages, other	67	25	42	66	26	40	27	9	18
Germanic languages and literatures, total	7	2	5	6	3	3	0	0	0
German	1,657	596	1,061	312	122	190	95	34	61
Scandinavian languages	1,616	583	1,033	273	104	169	85	29	56
Germanic languages, other	31	7	24	10	4	6	2	1	1
South Asian languages and literatures	10	6	4	29	14	15	8	4	4
Romance languages and literatures, total	5	3	2	1	0	1	4	3	1
French	8,450	1,940	6,510	1,247	326	921	314	123	191
Italian	3,371	637	2,734	465	101	364	112	41	71
Portuguese	238	67	171	55	17	38	18	8	10
Spanish	27	15	12	8	5	3	2	0	2
Romance languages, other	4,768	1,214	3,554	647	185	462	143	64	79
Middle Eastern languages and literatures, total	46	7	39	72	18	54	39	10	29
Arabic	79	30	49	43	27	16	17	14	3
Hebrew	13	6	7	0	0	0	0	0	0
Middle East languages, other	50	14	36	29	19	10	8	6	2
Classical and ancient Near East languages and literatures, total	16	10	6	14	8	6	9	8	1
Classics	714	345	369	163	92	71	58	36	22
Greek (ancient and medieval)	563	259	304	142	82	60	57	35	22
Latin (ancient and medieval)	41	26	15	10	3	7	1	1	0
Foreign languages, other	110	60	50	11	7	4	0	0	0
	253	80	173	61	22	39	48	18	30

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Health professions and related sciences, total	61,720	10,189	51,531	23,065	4,691	18,374	1,661	698	963
Communication disorders sciences and services	4,157	177	3,980	3,541	155	3,386	81	22	59
Community health liaison	327	78	249	130	34	96	23	15	8
Dentistry specialties	85	46	39	325	222	103	13	11	2
Dental services	732	34	698	72	48	24	0	0	0
Health services administration, total	3,222	697	2,525	3,103	1,030	2,073	57	25	32
Health services administration	1,641	405	1,236	1,485	544	941	22	9	13
Medical records administration	587	54	533	0	0	0	0	0	0
Medical records technology/technician	22	1	21	8	4	4	4	4	0
Health and medical administrative services, other	972	237	735	1,610	482	1,128	31	12	19
Health and medical assistants, total	897	442	455	136	40	96	0	0	0
Medical assistant	15	11	4	19	7	12	0	0	0
Physician assistant	788	407	381	105	30	75	0	0	0
Health and medical assistants, other	94	24	70	12	3	9	0	0	0
Health and medical diagnostic and treatment services, total	1,159	434	725	23	14	9	0	0	0
Respiratory therapy technology/technician	292	113	179	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	867	321	546	23	14	9	0	0	0
Medical laboratory technologies, total	2,375	651	1,724	464	208	256	89	46	43
Medical technology	2,081	543	1,538	62	21	41	2	2	0
Health and medical laboratory technologies/technicians, other	294	108	186	402	187	215	87	44	43
Pre-dentistry studies	92	63	29	0	0	0	0	0	0
Pre-medicine studies	611	368	243	6	1	5	10	8	2
Pre-pharmacy studies	4,421	1,735	2,686	94	53	41	63	34	29
Pre-veterinary studies	184	78	106	33	23	10	0	0	0
Medical basic sciences	224	69	155	153	65	88	232	128	104
Mental health services, total	483	74	409	411	89	322	14	6	8
Alcohol/drug abuse counseling	127	31	96	60	18	42	0	0	0
Psychiatric/mental health services technician	137	18	119	53	15	38	0	0	0
Clinical and medical social work	83	13	70	64	15	49	6	0	6
Mental health services, other	136	12	124	234	41	193	8	6	2
Nursing	31,029	2,381	28,648	7,512	507	7,005	408	21	387
Optometry	140	63	77	12	4	8	6	4	2
Pharmacy [1]	1,280	486	794	118	70	48	201	118	83
Epidemiology	0	0	0	210	94	116	69	27	42
Rehabilitation/therapeutic services, total	6,318	1,134	5,184	3,067	698	2,369	28	12	16
Art therapy	49	1	48	172	24	148	0	0	0
Dance therapy	5	0	5	46	4	42	0	0	0
Music therapy	153	16	137	33	8	25	0	0	0
Occupational therapy	2,149	182	1,967	466	46	420	2	0	2
Orthotics/prosthetics	29	18	11	0	0	0	0	0	0
Physical therapy	3,111	763	2,348	1,533	413	1,120	7	4	3
Recreational therapy	124	14	110	3	0	3	2	1	1
Vocational rehabilitation counseling	93	21	72	515	121	394	7	3	4
Rehabilitative services, other	605	119	486	299	82	217	10	4	6
Veterinary medicine	69	36	33	145	76	69	112	82	30
Miscellaneous health professions	341	205	136	68	43	25	25	17	8
Health professions and related sciences, other	3,574	938	2,636	3,442	1,217	2,225	230	122	108
Home economics and vocational home economics, total	14,898	1,687	13,211	2,412	409	2,003	293	71	222
Home economics, total	14,139	1,377	12,762	2,389	408	1,981	288	70	218
Home economics, general	3,064	203	2,861	303	22	281	42	9	33
Home economics business services	163	16	147	5	0	5	0	0	0
Family and community studies	219	20	199	65	10	55	2	2	0
Family and consumer resource management	1,124	334	790	54	11	43	15	4	11
Food and nutrition studies	2,623	318	2,305	559	71	488	58	17	41
Housing studies	608	84	524	44	10	34	5	1	4
Individual and family development studies	4,020	290	3,730	1,217	268	949	134	35	99
Clothing/apparel and textile studies	2,155	91	2,064	86	13	73	23	2	21
Home economics, other	163	21	142	56	3	53	9	0	9
Vocational home economics, total	759	310	449	23	1	22	5	1	4
Child care and guidance management	196	6	190	19	1	18	0	0	0
Custodial, housekeeping and home services workers and managers	9	1	8	1	0	1	0	0	0
Vocational home economics, other	554	303	251	3	0	3	5	1	4
Law and legal studies, total	2,144	701	1,443	2,369	1,597	772	68	50	18
Pre-law studies	566	272	294	102	54	48	5	3	2
Paralegal/legal assistant	776	112	664	4	1	3	0	0	0
Law and legal studies, other	802	317	485	2,263	1,542	721	63	47	16
Liberal arts and sciences, general studies, and humanities, total	32,174	12,784	19,390	2,394	870	1,524	67	30	37
Liberal arts and sciences/liberal studies	20,569	7,438	13,131	1,577	566	1,011	28	10	18
Humanities/humanistic studies	3,083	1,014	2,069	492	189	303	32	13	19
Liberal arts and sciences, general studies, other	8,522	4,332	4,190	325	115	210	7	7	0
Library science, total	97	8	89	4,893	992	3,901	50	16	34
Library science/librarianship	90	8	82	4,783	972	3,811	49	16	33
Library science, other	7	0	7	110	20	90	1	0	1
Mathematics, total	14,783	7,888	6,895	4,011	2,452	1,559	1,082	851	231
Mathematics	12,679	6,588	6,091	2,329	1,388	941	755	595	160
Applied mathematics, total	1,200	778	422	846	547	299	151	123	28

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Applied mathematics, general and other	885	558	327	393	246	147	117	97	20
Operations research (quantitative methods)	315	220	95	453	301	152	34	26	8
Mathematical statistics	554	296	258	751	457	294	170	129	41
Mathematics, other	350	226	124	85	60	25	6	4	2
Multi/interdisciplinary studies, total	20,647	8,628	12,019	2,126	995	1,131	231	144	87
Biological and physical sciences	2,094	1,119	975	230	129	101	30	20	10
Systems science and theory	75	46	29	107	60	47	9	6	3
Museology/museum studies	2	0	2	67	11	56	0	0	0
Multi/interdisciplinary studies, other	18,476	7,463	11,013	1,722	795	927	192	118	74
Parks, recreation, leisure, and fitness studies, total	8,446	4,144	4,302	1,358	650	708	61	41	20
Parks, recreation and leisure studies	2,220	970	1,250	183	91	92	20	14	6
Parks, recreation and leisure facilities management	2,253	1,084	1,169	253	110	143	7	5	2
Health and physical education/fitness	3,808	1,978	1,830	893	431	462	33	21	12
Parks, recreation, leisure and fitness studies, other	165	112	53	29	18	11	1	1	0
Philosophy and religion, total	7,526	4,752	2,774	1,146	731	415	475	365	110
Philosophy	4,846	3,293	1,553	555	399	156	282	218	64
Religion/religious studies	2,372	1,272	1,100	521	300	221	191	145	46
Philosophy and religion, other	308	187	121	70	32	38	2	2	0
Physical sciences and science technologies, total	16,960	11,431	5,529	5,374	3,909	1,465	4,391	3,429	962
Physical sciences, total	16,871	11,370	5,501	5,339	3,889	1,450	4,378	3,418	960
Physical sciences, general	407	263	144	45	33	12	0	0	0
Astronomy	93	67	26	97	71	26	69	56	13
Astrophysics	45	30	15	16	10	6	27	23	4
Atmospheric science and meteorology	412	331	81	180	147	33	70	49	21
Chemistry, total	8,641	5,155	3,486	1,780	1,085	695	2,280	1,648	632
Chemistry, general	8,407	5,006	3,401	1,653	1,007	646	2,113	1,525	588
Analytical chemistry	0	0	0	20	12	8	12	11	1
Inorganic chemistry	0	0	0	2	1	1	7	5	2
Organic chemistry	13	9	4	10	7	3	12	12	0
Medicinal/pharmaceutical chemistry	12	6	6	34	21	13	47	27	20
Chemistry, other	209	134	75	61	37	24	89	68	21
Geological and related sciences, total	2,078	1,382	696	990	735	255	413	314	99
Geology	1,928	1,286	642	853	633	220	319	241	78
Geochemistry	8	2	6	9	7	2	12	7	5
Geophysics and seismology	53	40	13	69	58	11	43	35	8
Geological and related sciences, other	89	54	35	59	37	22	39	31	8
Miscellaneous physical sciences, total	759	495	264	318	217	101	147	117	30
Metallurgy	0	0	0	5	4	1	3	3	0
Oceanography	216	137	79	143	105	38	73	57	16
Earth and planetary sciences	490	323	167	112	70	42	63	50	13
Miscellaneous physical sciences, other	53	35	18	58	38	20	8	7	1
Physics, total	4,098	3,427	671	1,834	1,539	295	1,337	1,182	155
Physics, general	3,907	3,268	639	1,705	1,440	265	1,233	1,088	145
Physics, other	191	159	32	129	99	30	104	94	10
Physical sciences, other	338	220	118	79	52	27	35	29	6
Science technologies, total	89	61	28	35	20	15	13	11	2
Precision production trades, total	378	280	98	0	0	0	0	0	0
Drafting, general	193	162	31	0	0	0	0	0	0
Precision production trades, other	185	118	67	0	0	0	0	0	0
Protective services, total	18,855	11,659	7,196	1,249	797	452	24	13	11
Criminal justice and corrections, total	18,626	11,462	7,164	1,240	789	451	24	13	11
Corrections/correctional administration	678	350	328	94	57	37	0	0	0
Criminal justice/law enforcement administration	5,889	3,664	2,225	405	238	167	3	2	1
Criminal justice studies	9,492	5,682	3,810	624	432	192	21	11	10
Forensic studies	128	73	55	39	24	15	0	0	0
Law enforcement/police science	1,623	1,213	410	41	18	23	0	0	0
Criminal justice, other	816	480	336	37	20	17	0	0	0
Fire control and safety	197	185	12	9	8	1	0	0	0
Protective services, other	32	12	20	0	0	0	0	0	0
Psychology, total	63,513	17,031	46,482	10,215	2,988	7,227	3,373	1,359	2,014
Psychology, general	60,168	16,154	44,014	4,322	1,357	2,965	1,583	700	883
Clinical psychology	43	8	35	1,135	315	820	1,024	356	668
Counseling psychology	205	52	153	2,574	650	1,924	265	107	158
Developmental and child psychology	768	111	657	98	18	80	57	18	39
Experimental psychology	235	61	174	77	34	43	82	37	45
Industrial and organizational psychology	138	36	102	562	253	309	61	29	32
Physiological psychology/psychobiology	140	57	83	8	3	5	16	7	9
Social psychology	268	81	187	84	23	61	26	9	17
School psychology	39	11	28	458	85	373	85	26	59
Psychology, other	1,509	460	1,049	897	250	647	174	70	104
Public administration and services, total	15,987	3,479	12,508	19,243	5,769	13,474	432	204	228
Public administration	2,558	1,330	1,228	6,039	3,186	2,853	105	78	27
Community organization, resources and services	1,203	261	942	203	83	120	7	4	3
Public policy analysis	435	200	235	590	302	288	59	33	26
Social work	11,427	1,528	9,899	11,993	2,028	9,965	242	82	160
Public affairs, other	364	160	204	418	170	248	19	7	12
R.O.T.C. and military technologies, total	184	158	26	0	0	0	0	0	0

Table 37.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1991–92—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Social sciences and history, total	133,974	73,001	60,973	12,702	7,237	5,465	3,218	2,126	1,092
Social sciences, general	7,024	3,032	3,992	462	209	253	36	15	21
Anthropology	4,648	1,535	3,113	895	341	554	324	168	156
Archeology	102	40	62	18	7	11	10	5	5
Criminology	1,756	947	809	67	35	32	6	4	2
Demography and population studies	0	0	0	28	20	8	5	4	1
Economics	23,423	16,416	7,007	2,106	1,520	586	866	690	176
Geography, total	3,851	2,627	1,224	642	419	223	122	90	32
Geography	3,808	2,592	1,216	639	419	220	122	90	32
Cartography	43	35	8	3	0	3	0	0	0
History	26,966	16,434	10,532	2,754	1,645	1,109	644	419	225
International relations and affairs	5,860	2,484	3,376	1,715	933	782	58	38	20
Political science and government, general	37,805	22,044	15,761	1,908	1,218	690	535	385	150
Sociology	19,568	6,096	13,472	1,347	540	807	501	260	241
Urban affairs/studies	654	357	297	249	123	126	48	21	27
Social sciences and history, other	2,317	989	1,328	511	227	284	63	27	36
Theological studies and religious vocations, total	4,729	3,552	1,177	5,185	3,199	1,986	1,259	1,077	182
Biblical and other theological languages and literatures	16	15	1	68	31	37	3	3	0
Bible/biblical studies	1,454	1,122	332	373	310	63	11	11	0
Missions/missionary studies and misology	317	176	141	197	123	74	36	33	3
Religious education	825	477	348	942	448	494	41	33	8
Religious/sacred music	190	126	64	108	76	32	11	6	5
Theology/theological studies	1,539	1,324	215	2,476	1,598	878	856	739	117
Pastoral counseling and specialized ministries	65	57	8	506	227	279	152	126	26
Theological studies and religious vocations, other	323	255	68	515	386	129	149	126	23
Transportation and material moving workers, total	3,598	3,239	359	385	354	31	0	0	0
Water transportation workers	236	209	27	0	0	0	0	0	0
Transportation and material moving, other	3,362	3,030	332	385	354	31	0	0	0
Visual and performing arts, total	46,522	17,616	28,906	9,353	4,078	5,275	906	504	402
Visual and performing arts, general	1,494	555	939	128	58	70	1	1	0
Crafts, folk art, and artisanry	104	34	70	4	1	3	0	0	0
Dance	785	90	695	224	28	196	4	0	4
Design and applied art	8,014	2,812	5,202	354	147	207	5	0	5
Dramatic/theater arts and stagecraft	5,486	2,245	3,241	1,307	621	686	91	50	41
Film/video and photographic arts, total	2,517	1,455	1,062	501	292	209	7	5	2
Film-video making/cinematography and production	882	561	321	280	175	105	4	2	2
Photography	988	488	500	123	57	66	0	0	0
Film arts, other	647	406	241	98	60	38	3	3	0
Fine arts and art studies, total	19,928	6,449	13,479	3,074	1,165	1,909	149	50	99
Art, general	10,957	3,717	7,240	1,045	409	636	28	11	17
Art history, criticism and conservation	4,871	1,264	3,607	832	245	587	120	38	82
Arts management	104	23	81	90	29	61	0	0	0
Painting	771	317	454	221	84	137	0	0	0
Ceramic arts and ceramics	171	58	113	51	24	27	0	0	0
Fiber, textile and weaving arts	123	12	111	18	2	16	1	1	0
Metal and jewelry arts	85	18	67	16	6	10	0	0	0
Fine arts and art studies, other	2,846	1,040	1,806	801	366	435	0	0	0
Music, total	7,724	3,805	3,919	3,458	1,651	1,807	623	391	232
Music, general	3,863	1,818	2,045	1,070	539	531	263	154	109
Music history and literature	58	31	27	55	26	29	26	14	12
Music, general performance	2,696	1,246	1,450	1,924	854	1,070	215	130	85
Music theory and composition	209	160	49	156	109	47	63	55	8
Music, other	898	550	348	253	123	130	56	38	18
Visual and performing arts, other	470	171	299	303	115	188	26	7	19
Not classified by field of study	6,720	3,835	2,885	4,156	2,299	1,857	569	389	180

[1] Because of the change in the Classification of Instructional Programs most pharmacy degrees are now in pre-pharmacy studies for 1991–92

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared February 1994.)

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Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,165,178**	**532,881**	**632,297**	**369,585**	**169,258**	**200,327**	**42,132**	**26,073**	**16,059**
Agriculture and natural resources, total	16,778	11,080	5,698	3,965	2,477	1,488	1,173	879	294
Agricultural business and production, total	4,995	3,661	1,334	679	460	219	195	149	46
Agricultural business and management, total	3,368	2,532	836	512	355	157	146	112	34
Agricultural business and management, general	789	562	227	48	32	16	0	0	0
Agricultural business/agribusiness operations	865	688	177	31	26	5	2	2	0
Agricultural economics	1,566	1,159	407	425	291	134	144	110	34
Agricultural business and management, other	148	123	25	8	6	2	0	0	0
Agricultural mechanization	242	220	22	5	5	0	1	1	0
Agricultural production workers and managers	114	89	25	65	47	18	9	8	1
Horticulture service operations and management	479	329	150	35	21	14	19	15	4
International agriculture	19	12	7	18	9	9	0	0	0
Agricultural business and production, other	773	479	294	44	23	21	13	13	7
Agricultural sciences, total	5,918	3,457	2,461	1,583	985	598	708	522	186
Agriculture/agricultural sciences, general	953	670	283	174	129	45	5	5	0
Animal sciences, total	2,811	1,369	1,442	422	286	136	193	144	49
Animal sciences, general	2,359	1,112	1,247	331	219	112	139	106	33
Agricultural animal breeding and genetics	22	7	15	13	10	3	5	3	2
Agricultural animal health	7	3	4	8	5	3	0	0	0
Agricultural animal nutrition	0	0	0	2	2	0	12	11	1
Dairy science	99	65	34	19	16	3	6	5	1
Poultry science	107	89	18	24	18	6	12	7	5
Animal sciences, other	217	93	124	25	16	9	19	12	7
Food sciences and technology	449	197	252	317	134	183	138	75	63
Plant sciences, total	1,447	1,066	381	513	345	168	299	237	62
Plant sciences, general	216	161	55	75	48	27	48	38	10
Agronomy and crop science	539	458	81	228	175	53	154	127	27
Horticulture science	508	322	186	125	68	57	53	37	16
Plant breeding and genetics	0	0	0	16	12	4	7	6	1
Agricultural plant pathology	0	0	0	4	2	2	8	6	2
Plant protection (pest management)	18	12	6	22	11	11	1	0	1
Range science and management	112	78	34	30	18	12	22	17	5
Plant sciences, other	54	35	19	13	11	2	6	6	0
Soil sciences	92	69	23	86	54	32	60	53	7
Agriculture/agricultural sciences, other	166	86	80	71	37	34	13	8	5
Conservation and renewable natural resources, total	5,865	3,962	1,903	1,703	1,032	671	270	208	62
Natural resources conservation, general	2,789	1,700	1,089	768	431	337	79	51	28
Natural resources management and policy	341	236	105	96	58	38	1	1	0
Fishing and fisheries sciences and management	207	169	38	98	66	32	24	22	2
Forest harvesting and production technology/technician	195	149	46	27	22	5	12	10	2
Forestry, general	1,082	887	195	493	314	179	124	104	20
Wildlife and wildlands management	912	606	306	166	112	54	17	11	6
Conservation and renewable natural resources, other	339	215	124	55	29	26	13	9	4
Architecture and related programs, total	9,167	5,940	3,227	3,808	2,376	1,432	148	105	43
Architecture	5,267	3,765	1,502	1,950	1,326	624	48	37	11
City/urban, community, and regional planning	487	349	138	1,272	739	533	79	52	27
Architectural environmental design	722	479	243	36	14	22	6	5	1
Interior architecture	995	144	851	21	4	17	0	0	0
Landscape architecture	1,033	716	317	327	163	164	2	1	1
Architectural urban design and planning	30	18	12	69	47	22	1	1	0
Architecture and related programs, other	633	469	164	133	83	50	12	9	3
Area, ethnic, and cultural studies, total	5,481	1,977	3,504	1,523	732	791	178	90	88
Area studies, total	3,978	1,564	2,414	1,164	568	596	154	77	77
African studies	41	16	25	15	9	6	3	2	1
American studies/civilization	1,558	580	978	251	100	151	87	36	51
Latin American studies	389	122	267	219	114	105	8	6	2
Middle Eastern studies	89	40	49	95	45	50	18	10	8
Russian and Slavic studies	292	124	168	126	60	66	2	2	0
Asian studies	934	444	490	311	155	156	24	14	10
European studies	246	88	158	64	34	30	8	4	4
Area studies, other	429	150	279	83	51	32	4	3	1
Ethnic and cultural studies, total	1,263	332	931	214	58	156	18	10	8
Afro-American (black) studies	433	159	274	68	21	47	8	4	4
Hispanic-American studies	133	38	95	28	3	25	0	0	0
Women's studies	411	11	400	33	0	33	0	0	0
Ethnic studies, other	286	124	162	85	34	51	10	6	4
Area, ethnic and cultural studies, other	240	81	159	145	106	39	6	3	3
Biological sciences/life sciences, total	47,038	22,842	24,196	4,756	2,343	2,413	4,435	2,664	1,771
Biology, general	34,932	16,500	18,432	2,000	1,001	999	671	398	273
Biochemistry and biophysics	2,327	1,370	957	207	108	99	692	448	244
Botany, total	263	135	128	224	111	113	223	140	83
Botany, general	249	128	121	137	68	69	119	66	53
Plant pathology	11	5	6	76	36	40	78	55	23
Botany, other	3	2	1	11	7	4	26	19	7
Cell and molecular biology, total	1,222	688	534	160	72	88	405	235	170
Cell biology	157	87	70	64	28	36	138	74	64

Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	424	244	180	76	37	39	188	111	77
Cell and molecular biology, other	641	357	284	20	7	13	79	50	29
Microbiology/bacteriology	1,769	872	897	328	153	175	520	290	230
Miscellaneous biological specializations, total	2,098	1,045	1,053	1,086	472	614	945	551	394
Anatomy	102	62	40	43	21	22	107	55	52
Ecology	485	286	199	240	144	96	83	55	28
Marine/aquatic biology	513	257	256	96	56	40	30	20	10
Neurosciences	141	75	66	52	35	17	154	99	55
Nutritional sciences	254	57	197	234	27	207	100	36	64
Toxicology	45	20	25	61	30	31	53	30	23
Genetics, plant and animal	160	78	82	123	47	76	219	135	84
Biometrics	18	8	10	31	15	16	24	20	4
Miscellaneous specialized areas, other	380	202	178	206	97	109	175	101	74
Zoology, total	3,071	1,563	1,508	637	372	265	786	494	292
Zoology, general	2,552	1,268	1,284	208	118	90	134	87	47
Entomology	70	54	16	122	86	36	116	86	30
Pathology, human and animal	11	3	8	29	16	13	110	72	38
Pharmacology, human and animal	33	21	12	51	25	26	215	116	99
Physiology, human and animal	404	217	187	226	127	99	211	133	78
Zoology, other	1	0	1	1	0	1	0	0	0
Biological sciences/life sciences, other	1,356	669	687	114	54	60	193	108	85
Business management and administrative services and marketing operations/marketing and distribution, total	256,842	135,573	121,269	89,615	57,651	31,964	1,346	969	377
Business management and administrative services, total	249,871	132,674	117,197	89,064	57,327	31,737	1,339	968	371
Business, general	26,786	14,655	12,131	12,517	8,373	4,144	271	190	81
Business administration and management, total	89,390	47,741	41,649	48,695	31,831	16,864	662	488	174
Office supervision and management	854	109	745	41	23	18	0	0	0
Operations management and supervision	1,855	1,390	465	565	434	131	0	0	0
Business administration and management, other	86,681	46,242	40,439	48,089	31,374	16,715	662	488	174
Accounting	48,853	22,371	26,482	3,887	2,111	1,776	69	45	24
Secretarial and related programs	443	65	378	1	0	1	0	0	0
Business/managerial economics	3,740	2,452	1,288	209	146	63	42	33	9
Small business management and ownership	434	288	146	53	37	16	0	0	0
Finance, general and banking and financial support services	22,903	15,602	7,301	4,942	3,573	1,369	53	45	8
Actuarial sciences	393	243	150	62	38	24	0	0	0
Insurance and risk management	658	403	255	108	79	29	4	3	1
Investments and securities and financial planning	324	197	127	217	152	65	0	0	0
Hospitality services management	5,945	2,737	3,208	533	277	256	4	3	1
Human resources management	5,139	1,972	3,167	2,023	916	1,107	19	10	9
Labor/personnel relations and studies	1,180	579	601	816	325	491	16	8	8
Organizational behavior studies	902	389	513	813	460	353	19	6	13
International business	2,584	1,236	1,348	2,787	1,713	1,074	12	10	2
Business information systems, total	5,570	3,258	2,312	1,800	1,269	531	7	5	2
Management information systems and data processing, general	5,174	3,014	2,160	1,592	1,110	482	7	5	2
Business information systems, other	396	244	152	208	159	49	0	0	0
Quantitative methods and management science, total	2,090	1,206	884	921	651	270	32	24	8
Business statistics	38	22	16	29	18	11	8	5	3
Management science, other	2,052	1,184	868	892	633	259	24	19	5
Marketing management and research	27,437	14,424	13,013	2,131	1,161	970	39	29	10
Real estate	660	482	178	348	286	62	1	1	0
Taxation	2	1	1	1,559	934	625	0	0	0
Consumer and personal services	160	113	47	0	0	0	0	0	0
Business management and administrative services, other	4,278	2,260	2,018	4,642	2,995	1,647	89	68	21
Marketing operations/marketing and distribution, total	6,971	2,899	4,072	551	324	227	7	1	6
Apparel and accessories marketing operations	1,624	71	1,553	0	0	0	5	0	5
Business and personal services marketing operations	561	331	230	7	3	4	0	0	0
General/retailing and wholesaling operations and skills	3,728	1,885	1,843	393	218	175	2	1	1
Transportation and travel marketing	284	87	197	20	6	14	0	0	0
Marketing and distribution, other	774	525	249	131	97	34	0	0	0
Communications and communications technologies, total	54,706	22,028	32,678	5,209	1,980	3,229	301	146	155
Communications, total	53,874	21,601	32,273	4,754	1,725	3,029	293	143	150
Communications, general	25,308	9,876	15,432	1,565	569	996	184	81	103
Advertising	3,109	1,244	1,865	239	83	156	0	0	0
Journalism	11,443	4,128	7,315	1,528	518	1,010	26	13	13
Broadcast journalism	495	203	292	12	6	6	0	0	0
Public relations and organizational communications	2,255	695	1,560	231	49	182	0	0	0
Radio and television broadcasting	6,469	3,374	3,095	365	188	177	14	8	6
Communications, other	4,795	2,081	2,714	814	312	502	69	41	28
Communications technologies, total	832	427	405	455	255	200	8	3	5
Photographic technology	23	10	13	0	0	0	0	0	0
Radio and television technology	725	370	355	327	177	150	8	3	5
Communications technologies, other	84	47	37	128	78	50	0	0	0
Computer and information sciences, total	24,200	17,403	6,797	10,163	7,410	2,753	805	689	116
Computer and information sciences, general	15,997	11,914	4,083	7,438	5,554	1,884	686	587	99
Computer programming	145	107	38	15	13	2	0	0	0
Data processing technology/technician	225	127	98	62	44	18	0	0	0

Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Information science and systems	3,644	2,184	1,460	1,301	790	511	15	11	4
Computer systems analysis	231	156	75	78	60	18	8	7	1
Computer and information sciences, other	3,958	2,915	1,043	1,269	949	320	96	84	12
Education, total	107,781	23,233	84,548	96,028	22,197	73,831	7,030	2,867	4,163
Education, general	2,009	287	1,722	10,127	2,379	7,748	1,196	455	741
Bilingual/bicultural education	56	5	51	227	38	189	11	6	5
Curriculum and instruction	9	4	5	7,694	1,430	6,264	785	269	516
Education administration and supervision, total	6	1	5	10,638	4,142	6,496	2,248	1,046	1,202
Education administration and supervision, general	4	0	4	7,030	2,776	4,254	1,620	772	848
Administration of special education	0	0	0	10	2	8	11	0	11
Adult and continuing education administration	0	0	0	217	49	168	61	21	40
Educational supervision	0	0	0	724	203	521	24	5	19
Elementary, middle, and secondary education administration	0	0	0	1,644	721	923	41	23	18
Higher education administration	1	0	1	406	147	259	391	176	215
Community and junior college education administration	0	0	0	71	31	40	7	4	3
Education administration and supervision, other	1	1	0	536	213	323	93	45	48
Educational/instructional media design	27	12	15	939	279	660	62	32	30
Educational evaluation and research, general	18	7	11	31	7	24	26	10	16
Educational statistics and research methods	1	0	1	35	13	22	41	23	18
Educational assessment, testing and measurement	0	0	0	89	18	71	23	13	10
Social and philosophical foundations of education	24	7	17	250	69	181	102	46	56
Special education, total	8,657	674	7,983	9,765	1,324	8,441	249	67	182
Special education, general	5,835	460	5,375	7,545	1,059	6,486	233	62	171
Education of the deaf and hearing impaired	203	11	192	235	25	210	0	0	0
Education of the gifted and talented	1	0	1	171	20	151	0	0	0
Education of the emotionally handicapped	297	41	256	218	52	166	2	0	2
Education of the mentally handicapped	627	46	581	147	25	122	0	0	0
Education of the multiple handicapped	113	5	108	99	3	96	0	0	0
Education of the physically handicapped	28	3	25	63	11	52	0	0	0
Education of the blind and visually handicapped	27	0	27	28	5	23	0	0	0
Education of the specific learning disabled	573	48	525	659	50	609	9	3	6
Education of the speech impaired	672	21	651	295	22	273	0	0	0
Special education, other	281	39	242	305	52	253	5	2	3
Counselor education/counseling and guidance services	76	18	58	11,555	2,502	9,053	375	135	240
General teacher education, total	61,244	5,860	55,384	22,127	3,470	18,657	433	144	289
Adult and continuing education	24	10	14	927	259	668	148	58	90
Elementary education	49,485	3,881	45,604	13,234	1,250	11,984	76	17	59
Junior high/intermediate/middle school education	1,308	254	1,054	563	86	477	0	0	0
Pre-elementary/early childhood/kindergarten education	6,154	163	5,991	1,893	43	1,850	45	2	43
Secondary education	3,773	1,522	2,251	3,707	1,387	2,320	76	32	44
Teacher education, general programs, other	500	30	470	1,803	445	1,358	88	35	53
Teacher education, academic and vocational programs	34,742	16,059	18,683	16,467	5,124	11,343	821	381	440
Agricultural education (vocational)	427	312	115	234	164	70	48	37	11
Art education	1,804	310	1,494	656	94	562	27	8	19
Business education (vocational)	1,572	371	1,201	525	133	392	16	6	10
Driver and safety education	35	29	6	60	42	18	1	1	0
English education	2,895	596	2,299	739	161	578	21	5	16
Foreign languages education	399	79	320	242	39	203	9	1	8
Health education	1,540	432	1,108	841	181	660	87	24	63
Home economics education (vocational)	340	8	332	177	6	171	10	0	10
Technology/industrial arts education	1,506	1,307	199	495	361	134	22	19	3
Marketing operations/marketing and distribution education	99	43	56	17	3	14	2	1	1
Mathematics education	1,953	710	1,243	912	282	630	35	11	24
Music education	2,821	1,175	1,646	896	375	521	74	35	39
Physical education and coaching	11,553	6,578	4,975	3,044	1,594	1,450	174	96	78
Reading education	152	15	137	3,935	183	3,752	71	11	60
Science education	1,138	468	670	720	313	407	36	22	14
Social science education	855	460	395	118	60	58	6	1	5
Social studies education	2,402	1,416	986	453	260	193	5	4	1
Technical education (vocational)	223	148	75	275	113	162	42	16	26
Trade and industrial education (vocational)	1,100	777	323	458	222	236	75	51	24
Teacher education, academic and vocational programs, other	1,928	825	1,103	1,670	538	1,132	60	32	28
Teaching English as a second language/foreign language	39	14	25	1,544	365	1,179	2	2	0
Education, other	873	285	588	4,540	1,037	3,503	656	238	418
Engineering and engineering-related technologies, total	78,051	66,836	11,215	28,726	24,454	4,272	5,843	5,283	560
Engineering, total	61,973	52,185	9,788	27,626	23,537	4,089	5,823	5,265	558
Engineering, general	2,128	1,802	326	1,338	1,142	196	274	249	25
Aerospace, aeronautical, and astronautical engineering	2,735	2,419	316	1,047	941	106	203	197	6
Agricultural engineering	512	432	80	150	122	28	80	73	7
Architectural engineering	497	400	97	29	23	6	0	0	0
Bioengineering and biomedical engineering	706	480	226	469	322	147	150	121	29
Ceramic sciences and engineering	287	234	53	92	69	23	60	52	8
Chemical engineering	4,459	2,995	1,464	990	792	198	595	516	79
Civil engineering	8,868	7,291	1,577	3,610	3,003	607	577	527	50
Computer engineering	2,138	1,888	250	955	817	138	123	108	15

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Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Electrical, electronics, and communications engineering	17,281	15,314	1,967	7,870	6,957	913	1,413	1,295	118
Engineering mechanics	134	116	18	186	170	16	98	90	8
Engineering physics	295	253	42	68	65	3	50	46	4
Engineering science	286	215	71	357	285	72	49	41	8
Environmental/environmental health engineering	262	180	82	783	566	217	40	37	3
Geological engineering	104	71	33	46	40	6	11	10	1
Geophysical engineering	8	5	3	10	9	1	1	1	0
Industrial/manufacturing engineering	3,300	2,354	946	2,058	1,622	436	267	235	32
Material engineering	588	447	141	537	434	103	336	275	61
Mechanical engineering	14,464	12,863	1,601	3,982	3,598	384	871	823	48
Metallurgical engineering	298	241	57	171	139	32	93	86	7
Mining and mineral engineering	111	100	11	66	61	5	25	25	0
Naval architecture and marine engineering	275	259	16	31	27	4	6	5	1
Nuclear engineering	234	207	27	269	236	33	115	108	7
Ocean engineering	99	78	21	94	81	13	29	28	1
Petroleum engineering	256	226	30	139	128	11	50	44	6
Systems engineering	411	342	69	403	318	85	31	25	6
Textile sciences and engineering	34	21	13	19	12	7	1	1	0
Engineering, other	1,203	952	251	1,857	1,558	299	275	247	28
Engineering-related technologies, total	16,078	14,651	1,427	1,100	917	183	20	18	2
Architectural engineering technologies	600	530	70	1	1	0	0	0	0
Civil technologies	435	387	48	0	0	0	0	0	0
Electrical and electronic technologies	3,986	3,705	281	37	34	3	0	0	0
Electromechanical instrumentation and maintenance technologies	316	303	13	10	9	1	3	2	1
Environmental control technologies	253	199	54	58	38	20	1	1	0
Industrial production technologies	4,377	3,905	472	295	258	37	5	5	0
Quality control and safety technologies	395	310	85	265	202	63	4	4	0
Mechanical and related technologies	1,836	1,715	121	0	0	0	0	0	0
Mining and petroleum technologies	24	24	0	0	0	0	0	0	0
Surveying	125	115	10	26	19	7	7	6	1
Mechanics and repairers	69	64	5	0	0	0	0	0	0
Construction trades	105	102	3	0	0	0	0	0	0
Engineering and related technologies, other	3,557	3,292	265	408	356	52	0	0	0
English language and literature/letters, total	56,133	19,247	36,886	7,790	2,667	5,123	1,341	550	791
English language and literature, general	41,564	13,822	27,742	5,287	1,812	3,475	949	388	561
Comparative literature	844	240	604	253	97	156	140	55	85
English composition	307	145	162	12	4	8	7	2	5
English creative writing	872	363	509	749	305	444	7	5	2
American literature (United States)	135	48	87	23	5	18	12	3	9
English literature (British and Commonwealth)	1,493	535	958	332	104	228	69	28	41
Speech and rhetorical studies	9,605	3,630	5,975	833	261	572	108	53	55
English technical and business writing	106	44	62	158	45	113	0	0	0
English language and literature/letters, other	1,207	420	787	143	34	109	49	16	33
Foreign languages and literatures, total	14,387	4,158	10,229	3,198	1,062	2,136	830	355	475
Foreign languages and literatures, total	1,481	411	1,070	926	310	616	235	103	132
Foreign languages and literatures, general	928	252	676	318	93	225	53	19	34
Linguistics	553	159	394	608	217	391	182	84	98
East and Southeast Asian languages and literatures, total	585	294	291	142	57	85	20	13	7
Chinese	129	67	62	54	26	28	8	7	1
Japanese	327	151	176	57	13	44	2	1	1
East and Southeast Asian languages, other	129	76	53	31	18	13	10	5	5
East European languages and literatures, total	693	266	427	166	62	104	28	14	14
Russian languages	612	231	381	68	20	48	4	0	4
Slavic languages (other than Russian)	77	33	44	93	39	54	24	14	10
East European languages, other	4	2	2	5	3	2	0	0	0
Germanic languages and literatures, total	1,611	640	971	346	133	213	97	42	55
German	1,572	629	943	317	123	194	86	37	49
Scandinavian languages	20	5	15	8	2	6	1	1	0
Germanic languages, other	19	6	13	21	8	13	10	4	6
South Asian languages and literatures	4	2	2	1	0	1	5	3	2
Romance languages and literatures, total	8,916	2,047	6,869	1,329	364	965	312	107	205
French	3,280	634	2,646	513	125	388	98	34	64
Italian	274	62	212	50	18	32	13	5	8
Portuguese	41	27	14	9	3	6	1	1	0
Spanish	5,233	1,309	3,924	667	194	473	145	47	98
Romance languages, other	88	15	73	90	24	66	55	20	35
Middle Eastern languages and literatures, total	82	36	46	51	35	16	20	12	8
Arabic	8	3	5	3	2	1	2	1	1
Hebrew	54	22	32	33	26	7	7	6	1
Middle East languages, other	20	11	9	15	7	8	11	5	6
Classical and ancient Near East languages and literatures, total	741	371	370	144	77	67	60	34	26
Classics	598	300	298	128	69	59	58	33	25
Greek (ancient and medieval)	35	18	17	3	1	2	1	0	1
Latin (ancient and medieval)	108	53	55	13	7	6	1	1	0
Foreign languages, other	274	91	183	93	24	69	53	27	26

Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Health professions and related sciences, total	67,089	11,347	55,742	25,718	5,227	20,491	1,767	753	1,014
Communication disorders sciences and services	4,814	252	4,562	4,002	171	3,831	102	23	79
Community health liaison	460	86	374	121	37	84	2	2	0
Dentistry specialties	0	0	0	352	221	131	27	21	6
Dental services	927	25	902	48	27	21	0	0	0
Epidemiology	0	0	0	239	96	143	82	34	48
Health services administration, total	3,341	821	2,520	3,303	1,155	2,148	51	26	25
Health services administration	1,681	456	1,225	1,774	655	1,119	30	11	19
Medical records administration	635	49	586	0	0	0	0	0	0
Medical records technology/technician	3	0	3	5	3	2	6	5	1
Health and medical administrative services, other	1,022	316	706	1,524	497	1,027	15	10	5
Health and medical assistants, total	967	468	499	184	48	136	0	0	0
Medical assistant	2	0	2	0	0	0	0	0	0
Physician assistant	858	441	417	171	44	127	0	0	0
Health and medical assistants, other	107	27	80	13	4	9	0	0	0
Health and medical diagnostic and treatment services, total	1,255	467	788	56	30	26	0	0	0
Respiratory therapy technology/technician	322	112	210	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	933	355	578	56	30	26	0	0	0
Medical laboratory technologies, total	2,458	700	1,758	380	159	221	111	52	59
Medical technology	2,135	593	1,542	61	21	40	3	2	1
Health and medical laboratory technologies/technicians, other	323	107	216	319	138	181	108	50	58
Pre-dentistry studies	176	102	74	3	2	1	0	0	0
Pre-medicine studies	690	382	308	0	0	0	0	0	0
Pre-pharmacy studies	400	161	239	0	0	0	0	0	0
Pre-veterinary studies	265	103	162	2	1	1	0	0	0
Medical basic sciences	216	84	132	249	116	133	313	192	121
Mental health services, total	537	86	451	383	90	293	6	2	4
Alcohol/drug abuse counseling	88	29	59	52	15	37	0	0	0
Psychiatric/mental health services technician	153	26	127	48	21	27	0	0	0
Clinical and medical social work	82	9	73	97	24	73	6	2	4
Mental health services, other	214	22	192	186	30	156	0	0	0
Nursing	34,792	2,934	31,858	8,151	527	7,624	396	20	376
Optometry	183	81	102	7	2	5	1	1	0
Pharmacy	5,489	2,071	3,418	257	115	142	203	124	79
Rehabilitation/therapeutic services, total	6,625	1,276	5,349	3,889	902	2,987	37	13	24
Art therapy	58	3	55	202	12	190	0	0	0
Dance therapy	1	0	1	34	0	34	0	0	0
Music therapy	155	19	136	16	4	12	0	0	0
Occupational therapy	2,500	241	2,259	521	51	470	3	1	2
Orthotics/prosthetics	34	25	9	0	0	0	0	0	0
Physical therapy	2,928	792	2,136	2,202	586	1,616	9	5	4
Recreational therapy	125	24	101	3	1	2	5	0	5
Vocational rehabilitation counseling	178	46	132	578	155	423	5	2	3
Rehabilitative services, other	646	126	520	333	93	240	15	5	10
Veterinary medicine	126	53	73	153	87	66	132	87	45
Miscellaneous health professions	297	160	137	201	92	109	28	24	4
Health professions and related sciences, other	3,071	1,035	2,036	3,738	1,349	2,389	276	132	144
Home economics and vocational home economics, total	15,100	1,638	13,462	2,479	422	2,057	345	97	248
Home economics, total	14,444	1,382	13,062	2,440	417	2,023	335	95	240
Home economics, general	2,974	201	2,773	300	23	277	42	14	28
Home economics business services	156	10	146	2	0	2	0	0	0
Family and community studies	185	24	161	65	16	49	2	2	0
Family and consumer resource management	1,285	368	917	60	9	51	22	2	20
Food and nutrition studies	2,735	343	2,392	534	61	473	60	13	47
Housing studies	576	65	511	51	19	32	1	0	1
Individual and family development studies	4,422	279	4,143	1,287	276	1,011	190	58	132
Clothing/apparel and textile studies	1,960	77	1,883	110	12	98	14	5	9
Home economics, other	151	15	136	31	1	30	4	1	3
Vocational home economics, total	656	256	400	39	5	34	10	2	8
Child care and guidance management	180	0	180	34	1	33	4	0	4
Custodial, housekeeping and home services workers and managers	5	3	2	4	4	0	0	0	0
Vocational home economics, other	471	253	218	1	0	1	6	2	4
Law and legal studies, total	2,056	667	1,389	2,197	1,481	716	86	65	21
Pre-law studies	262	140	122	12	4	8	0	0	0
Paralegal/legal assistant	913	143	770	13	5	8	0	0	0
Law and legal studies, other	881	384	497	2,172	1,472	700	86	65	21
Liberal arts and sciences, general studies, and humanities, total	33,456	13,275	20,181	2,416	840	1,576	81	38	43
Liberal arts and sciences/liberal studies	21,044	7,655	13,389	1,630	548	1,082	18	9	9
Humanities/humanistic studies	2,898	1,011	1,887	491	188	303	32	17	15
Liberal arts and sciences, general studies, other	9,514	4,609	4,905	295	104	191	31	12	19
Library science, total	83	9	74	4,871	961	3,910	77	26	51
Library science/librarianship	81	9	72	4,767	950	3,817	72	22	50
Library science, other	2	0	2	104	11	93	5	4	1
Mathematics, total	14,812	7,827	6,985	4,067	2,455	1,612	1,189	906	283
Mathematics	12,635	6,522	6,113	2,423	1,449	974	808	623	185
Applied mathematics, total	1,285	758	527	822	553	269	159	116	43

Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Applied mathematics, general and other	857	497	360	399	249	150	108	77	31
Operations research (quantitative methods)	428	261	167	423	304	119	51	39	12
Mathematical statistics	520	296	224	763	420	343	214	160	54
Mathematics, other	372	251	121	59	33	26	8	7	1
Multi/interdisciplinary studies, total	23,955	8,917	15,038	2,498	1,221	1,277	196	115	81
Biological and physical sciences	2,007	1,115	892	163	92	71	24	14	10
Systems science and theory	121	70	51	276	163	113	12	11	1
Museology/museum studies	2	1	1	103	24	79	0	0	0
Multi/interdisciplinary studies, other	21,825	7,731	14,094	1,956	942	1,014	160	90	70
Parks, recreation, leisure, and fitness studies, total	9,859	4,885	4,974	1,434	714	720	108	75	33
Parks, recreation and leisure studies	2,040	871	1,169	222	107	115	23	16	7
Parks, recreation and leisure facilities management	2,455	1,095	1,360	249	107	142	10	6	4
Health and physical education/fitness	5,230	2,832	2,398	940	493	447	73	52	21
Parks, recreation, leisure and fitness studies, other	134	87	47	23	7	16	2	1	1
Philosophy and religion, total	7,781	4,938	2,843	1,425	988	437	448	323	125
Philosophy	4,842	3,310	1,532	707	519	188	266	199	67
Religion/religious studies	2,569	1,415	1,154	680	459	221	177	120	57
Philosophy and religion, other	370	213	157	38	10	28	5	4	1
Physical sciences and science technologies, total	17,545	11,825	5,720	5,366	3,808	1,558	4,393	3,432	961
Physical sciences, total	17,462	11,773	5,689	5,347	3,793	1,554	4,376	3,419	957
Physical sciences, general	380	270	110	68	52	16	0	0	0
Astronomy	116	89	27	89	66	23	82	68	14
Astrophysics	51	31	20	46	40	6	16	13	3
Atmospheric science and meteorology	369	305	64	202	161	41	65	55	10
Chemistry, total	8,914	5,288	3,626	1,842	1,105	737	2,261	1,623	638
Chemistry, general	8,674	5,148	3,526	1,713	1,040	673	2,081	1,494	587
Analytical chemistry	0	0	0	19	8	11	22	16	6
Inorganic chemistry	0	0	0	0	0	0	7	6	1
Organic chemistry	11	2	9	11	3	8	14	9	5
Medicinal/pharmaceutical chemistry	11	6	5	20	5	15	45	28	17
Chemistry, other	218	132	86	79	49	30	92	70	22
Geological and related sciences, total	2,299	1,554	745	925	670	255	406	334	72
Geology	2,136	1,446	690	793	565	228	314	254	60
Geochemistry	6	3	3	5	3	2	10	8	2
Geophysics and seismology	45	32	13	69	59	10	53	48	5
Geological and related sciences, other	112	73	39	58	43	15	29	24	5
Miscellaneous physical sciences, total	924	639	285	335	213	122	233	187	46
Metallurgy	0	0	0	3	3	0	0	0	0
Oceanography	233	170	63	143	89	54	112	85	27
Earth and planetary sciences	591	415	176	127	86	41	108	90	18
Miscellaneous physical sciences, other	100	54	46	62	35	27	13	12	1
Physics, total	4,063	3,390	673	1,777	1,460	317	1,277	1,107	170
Physics, general	3,892	3,249	643	1,643	1,356	287	1,210	1,051	159
Physics, other	171	141	30	134	104	30	67	56	11
Physical sciences, other	346	207	139	63	26	37	36	32	4
Science technologies, total	83	52	31	19	15	4	17	13	4
Precision production trades, total	388	281	107	2	2	0	0	0	0
Drafting, general	149	127	22	0	0	0	0	0	0
Precision production trades, other	239	154	85	2	2	0	0	0	0
Protective services, total	20,902	13,020	7,882	1,357	837	520	32	23	9
Criminal justice and corrections, total	20,623	12,774	7,849	1,323	806	517	32	23	9
Corrections/correctional administration	666	363	303	56	42	14	0	0	0
Criminal justice/law enforcement administration	6,642	4,178	2,464	472	288	184	6	4	2
Criminal justice studies	10,436	6,277	4,159	683	416	267	26	19	7
Forensic studies	163	91	72	38	20	18	0	0	0
Law enforcement/police science	1,712	1,287	425	47	24	23	0	0	0
Criminal justice, other	1,004	578	426	27	16	11	0	0	0
Fire control and safety	230	218	12	25	23	2	0	0	0
Protective services, other	49	28	21	9	8	1	0	0	0
Psychology, total	66,728	17,908	48,820	10,957	3,029	7,928	3,651	1,415	2,236
Psychology, general	63,247	17,021	46,226	4,265	1,323	2,942	1,575	659	916
Clinical psychology	64	14	50	1,319	345	974	1,205	426	779
Counseling psychology	261	57	204	3,117	761	2,356	236	88	148
Developmental and child psychology	732	79	653	115	26	89	57	15	42
Experimental psychology	251	57	194	82	29	53	90	38	52
Industrial and organizational psychology	156	62	94	309	124	185	63	28	35
Physiological psychology/psychobiology	172	75	97	7	4	3	26	12	14
Social psychology	195	40	155	110	19	91	34	11	23
School psychology	0	0	0	609	114	495	108	30	78
Psychology, other	1,650	503	1,147	1,024	284	740	257	108	149
Public administration and services, total	16,775	3,801	12,974	20,634	6,105	14,529	459	215	244
Public administration	2,607	1,384	1,223	6,347	3,340	3,007	120	82	38
Community organization, resources and services	1,241	312	929	210	72	138	4	1	3
Public policy analysis	382	210	172	670	330	340	70	42	28
Social work	12,090	1,663	10,427	13,032	2,223	10,809	233	81	152
Public affairs, other	455	232	223	375	140	235	32	9	23
R.O.T.C. and military technologies, total	11	11	0	108	100	8	0	0	0

Table 38.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1992–93—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Social sciences and history, total	135,703	73,589	62,114	13,471	7,671	5,800	3,460	2,203	1,257
Social sciences, general	7,390	3,188	4,202	473	213	260	70	39	31
Anthropology	5,098	1,819	3,279	913	388	525	359	138	221
Archeology	95	41	54	14	5	9	11	5	6
Criminology	1,772	1,005	767	83	48	35	8	2	6
Demography and population studies	0	0	0	38	13	25	13	8	5
Economics	21,321	14,965	6,356	2,292	1,611	681	879	674	205
Geography, total	4,151	2,752	1,399	646	423	223	150	105	45
Geography	4,116	2,724	1,392	643	421	222	150	105	45
Cartography	35	28	7	3	2	1	0	0	0
History	27,774	17,212	10,562	2,952	1,812	1,140	690	451	239
International relations and affairs	6,361	2,721	3,640	1,859	994	865	79	55	24
Political science and government, general	37,931	22,052	15,879	1,943	1,239	704	529	389	140
Sociology	20,896	6,605	14,291	1,521	591	930	536	272	264
Urban affairs/studies	699	370	329	291	148	143	74	43	31
Social sciences and history, other	2,215	859	1,356	446	186	260	62	22	40
Theological studies and religious vocations, total	5,433	4,168	1,265	4,985	2,989	1,996	1,417	1,219	198
Biblical and other theological languages and literatures	52	37	15	62	23	39	7	7	0
Bible/biblical studies	1,439	1,112	327	275	221	54	11	11	0
Missions/missionary studies and missology	312	185	127	195	111	84	45	41	4
Religious education	832	507	325	788	391	397	55	48	7
Religious/sacred music	173	90	83	102	52	50	17	15	2
Theology/theological studies	2,131	1,883	248	2,546	1,682	864	922	812	110
Pastoral counseling and specialized ministries	101	75	26	680	298	382	198	155	43
Theological studies and religious vocations, other	393	279	114	337	211	126	162	130	32
Transportation and material moving workers, total	3,930	3,508	422	495	456	39	0	0	0
Water transportation workers	286	264	22	0	0	0	0	0	0
Transportation and material moving, other	3,644	3,244	400	495	456	39	0	0	0
Visual and performing arts, total	47,761	18,610	29,151	9,440	4,099	5,341	882	478	404
Visual and performing arts, general	1,477	559	918	120	45	75	9	7	2
Crafts, folk art, and artisanry	99	37	62	7	2	5	0	0	0
Dance	812	79	733	204	38	166	3	0	3
Design and applied art	7,914	2,929	4,985	431	185	246	1	0	1
Dramatic/theater arts and stagecraft	5,891	2,357	3,534	1,290	626	664	76	47	29
Film/video and photographic arts, total	2,681	1,664	1,017	566	347	219	14	9	5
Film-video making/cinematography and production	868	575	293	284	182	102	5	2	3
Photography	987	527	460	150	83	67	1	1	0
Film arts, other	826	562	264	132	82	50	8	6	2
Fine arts and art studies, total	20,526	6,825	13,701	3,090	1,143	1,947	137	49	88
Art, general	11,347	4,039	7,308	980	384	596	39	14	25
Art history, criticism and conservation	4,192	998	3,194	798	232	566	97	34	63
Arts management	119	27	92	111	25	86	0	0	0
Painting	846	316	530	214	97	117	0	0	0
Ceramic arts and ceramics	212	73	139	44	21	23	0	0	0
Fiber, textile and weaving arts	118	9	109	37	7	30	1	1	0
Metal and jewelry arts	75	23	52	20	5	15	0	0	0
Fine arts and art studies, other	3,617	1,340	2,277	886	372	514	0	0	0
Music, total	7,853	3,962	3,891	3,488	1,629	1,859	609	357	252
Music, general	3,836	1,856	1,980	1,090	511	579	238	136	102
Music history and literature	58	18	40	37	18	19	33	21	12
Music, general performance	2,683	1,271	1,412	1,862	826	1,036	219	125	94
Music theory and composition	209	161	48	151	111	40	62	44	18
Music, other	1,067	656	411	348	163	185	57	31	26
Visual and performing arts, other	508	198	310	244	84	160	33	9	24
Not classified by field of study	5,247	2,340	2,907	884	504	380	111	93	18

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared January 1995.)

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,169,275**	**532,422**	**636,853**	**387,070**	**176,085**	**210,985**	**43,185**	**26,552**	**16,633**
Agriculture and natural resources, total	18,070	11,748	6,322	4,119	2,515	1,604	1,278	982	296
Agricultural business and production, total	4,959	3,611	1,348	703	487	216	206	170	36
Agricultural business and management, total	3,370	2,505	865	543	376	167	166	143	23
Agricultural business and management, general	816	556	260	54	35	19	0	0	0
Agricultural business/agribusiness operations	1,005	779	226	21	11	10	0	0	0
Agricultural economics	1,368	1,018	350	454	321	133	166	143	23
Agricultural business and management, other	181	152	29	14	9	5	0	0	0
Agricultural mechanization	244	229	15	9	7	2	1	1	0
Agricultural production workers and managers	140	106	34	59	51	8	12	8	4
Horticulture service operations and management	466	335	131	23	10	13	16	12	4
International agriculture	18	11	7	19	7	12	0	0	0
Agricultural business and production, other	721	425	296	50	36	14	13	6	5
Agricultural sciences, total	6,432	3,750	2,682	1,595	951	644	789	594	195
Agriculture/agricultural sciences, general	936	696	240	151	108	43	2	0	2
Animal sciences, total	3,165	1,511	1,654	441	268	173	226	168	58
Animal sciences, general	2,641	1,251	1,390	339	203	136	159	118	41
Agricultural animal breeding and genetics	32	12	20	10	7	3	15	14	1
Agricultural animal health	14	4	10	4	2	2	0	0	0
Agricultural animal nutrition	0	0	0	9	6	3	10	8	2
Dairy science	109	71	38	22	13	9	3	2	1
Poultry science	121	92	29	20	15	5	17	14	3
Animal sciences, other	248	81	167	37	22	15	22	12	10
Food sciences and technology	448	187	261	329	122	207	148	81	67
Plant sciences, total	1,557	1,158	399	519	355	164	344	289	55
Plant sciences, general	242	180	62	61	42	19	34	29	5
Agronomy and crop science	526	458	68	234	167	67	195	171	24
Horticulture science	552	347	205	129	77	52	62	49	13
Plant breeding and genetics	0	0	0	10	7	3	8	7	1
Agricultural plant pathology	0	0	0	2	0	2	8	6	2
Plant protection (pest management)	16	13	3	16	12	4	1	1	0
Range science and management	162	116	46	49	38	11	20	12	8
Plant sciences, other	59	44	15	18	12	6	16	14	2
Soil sciences	129	95	34	71	47	24	57	48	9
Agriculture/agricultural sciences, other	197	103	94	84	51	33	12	8	4
Conservation and renewable natural resources, total	6,679	4,387	2,292	1,821	1,077	744	283	218	65
Natural resources conservation, general	3,333	1,955	1,378	925	514	411	80	57	23
Natural resources management and policy	375	256	119	89	54	35	1	1	0
Fishing and fisheries sciences and management	215	171	44	90	53	37	27	22	5
Forest harvesting and production technology/technician	218	163	55	25	21	4	15	14	1
Forestry, general	1,187	955	232	522	326	196	123	97	26
Wildlife and wildlands management	957	654	303	123	86	37	18	14	4
Conservation and renewable natural resources, other	394	233	161	47	23	24	19	13	6
Architecture and related programs, total	8,975	5,764	3,211	3,943	2,428	1,515	161	111	50
Architecture	5,141	3,617	1,524	2,031	1,376	655	53	42	11
City/urban, community, and regional planning	567	402	165	1,240	710	530	86	55	31
Architectural environmental design	717	458	259	49	17	32	2	2	0
Interior architecture	902	129	773	11	2	9	0	0	0
Landscape architecture	1,045	748	297	378	181	197	2	2	0
Architectural urban design and planning	29	18	11	62	43	19	3	1	2
Architecture and related programs, other	574	392	182	172	99	73	15	9	6
Area, ethnic, and cultural studies, total	5,573	1,958	3,615	1,633	768	865	155	75	80
Area studies, total	3,931	1,513	2,418	1,207	565	642	123	60	63
African studies	24	5	19	14	4	10	2	1	1
American studies/civilization	1,587	569	1,018	244	95	149	76	35	41
Latin American studies	406	153	253	252	116	136	7	1	6
Middle Eastern studies	96	40	56	94	51	43	18	10	8
Russian and Slavic studies	264	107	157	119	58	61	0	0	0
Asian studies	842	388	454	292	149	143	11	9	2
European studies	266	86	180	80	35	45	3	0	3
Area studies, other	446	165	281	112	57	55	6	4	2
Ethnic and cultural studies, total	1,435	369	1,066	264	96	168	26	13	13
Afro-American (black) studies	492	175	317	79	36	43	6	3	3
Hispanic-American studies	128	42	86	12	3	9	0	0	0
Women's studies	479	11	468	52	0	52	5	0	5
Ethnic studies, other	336	141	195	121	57	64	15	10	5
Area, ethnic and cultural studies, other	207	76	131	162	107	55	6	2	4
Biological sciences/life sciences, total	51,383	25,050	26,333	5,196	2,465	2,731	4,534	2,690	1,844
Biology, general	38,103	18,252	19,851	2,178	1,033	1,145	665	392	273
Biochemistry and biophysics	2,570	1,420	1,150	276	147	129	659	392	267
Botany, total	303	138	165	220	122	98	264	173	91
Botany, general	283	128	155	129	69	60	136	85	51
Plant pathology	6	3	3	73	46	27	80	56	24
Botany, other	14	7	7	18	7	11	48	32	16
Cell and molecular biology, total	1,574	839	735	170	72	98	444	250	194
Cell biology	170	77	93	60	23	37	127	68	59

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	544	296	248	64	30	34	205	113	92
Cell and molecular biology, other	860	466	394	46	19	27	112	69	43
Microbiology/bacteriology	1,841	916	925	332	139	193	478	273	205
Miscellaneous biological specializations, total	2,444	1,143	1,301	1,149	473	676	1,036	586	450
Anatomy	20	13	7	72	34	38	111	59	52
Ecology	659	354	305	185	102	83	90	57	33
Marine/aquatic biology	613	289	324	89	50	39	41	30	11
Neurosciences	139	69	70	72	37	35	167	101	66
Nutritional sciences	346	75	271	266	32	234	111	40	71
Toxicology	63	35	28	64	33	31	67	32	35
Genetics, plant and animal	203	99	104	136	54	82	241	153	88
Biometrics	18	10	8	25	14	11	19	13	6
Miscellaneous specialized areas, other	383	199	184	240	117	123	189	101	88
Zoology, total	3,207	1,688	1,519	749	420	329	805	515	290
Zoology, general	2,592	1,354	1,238	278	158	120	156	109	47
Entomology	83	59	24	135	82	53	123	95	28
Pathology, human and animal	15	2	13	36	15	21	93	55	38
Pharmacology, human and animal	44	24	20	59	30	29	211	116	95
Physiology, human and animal	465	244	221	241	135	106	222	140	82
Zoology, other	8	5	3	0	0	0	0	0	0
Biological sciences/life sciences, other	1,341	654	687	122	59	63	183	109	74
Business management and administrative services and marketing operations/marketing and distribution, total	246,654	129,161	117,493	93,437	59,335	34,102	1,364	980	384
Business management and administrative services, total	240,864	126,891	113,973	92,759	58,950	33,809	1,356	979	377
Business, general	25,572	13,746	11,826	13,191	8,594	4,597	232	174	58
Business administration and management, total	87,395	46,166	41,229	51,833	33,574	18,259	714	535	179
Office supervision and management	1,040	122	918	0	0	0	0	0	0
Operations management and supervision	1,993	1,428	565	506	370	136	16	11	5
Business administration and management, other	84,362	44,616	39,746	51,327	33,204	18,123	698	524	174
Accounting	47,804	21,446	26,358	4,162	2,258	1,904	63	34	29
Secretarial and related programs	594	152	442	1	0	1	0	0	0
Business/managerial economics	3,454	2,274	1,180	251	159	92	47	34	13
Small business management and ownership	399	258	141	57	40	17	0	0	0
Finance, general and banking and financial support services	21,465	14,593	6,872	4,903	3,470	1,433	64	53	11
Actuarial sciences	371	227	144	82	53	29	0	0	0
Insurance and risk management	600	382	218	66	41	25	7	4	3
Investments and securities and financial planning	353	212	141	260	198	62	0	0	0
Hospitality services management	5,910	2,662	3,248	421	211	210	2	1	1
Human resources management	4,960	1,953	3,007	2,195	980	1,215	29	17	12
Labor/personnel relations and studies	1,061	544	517	810	333	477	23	14	9
Organizational behavior studies	989	464	525	302	116	186	29	12	17
International business	2,875	1,325	1,550	3,000	1,878	1,122	21	18	3
Business information systems, total	5,839	3,474	2,365	2,140	1,429	711	13	7	6
Management information systems and data processing, general	5,434	3,221	2,213	1,877	1,239	638	13	7	6
Business information systems, other	405	253	152	263	190	73	0	0	0
Quantitative methods and management science, total	1,846	1,031	815	990	634	356	36	31	5
Business statistics	51	23	28	30	15	15	5	4	1
Management science, other	1,795	1,008	787	960	619	341	31	27	4
Marketing management and research	24,692	13,312	11,380	1,891	1,026	865	38	17	21
Real estate	558	416	142	317	261	56	1	1	0
Taxation	0	0	0	1,396	873	523	0	0	0
Consumer and personal services	155	98	57	0	0	0	0	0	0
Business management and administrative services, other	3,972	2,156	1,816	4,491	2,822	1,669	37	27	10
Marketing operations/marketing and distribution, total	5,790	2,270	3,520	678	385	293	8	1	7
Apparel and accessories marketing operations	1,383	59	1,324	0	1	2	6	0	6
Business and personal services marketing operations	456	247	209	9	2	7	0	0	0
General/retailing and wholesaling operations and skills	3,132	1,506	1,626	440	226	214	2	1	1
Transportation and travel marketing	173	44	129	12	3	9	0	0	0
Marketing and distribution, other	646	414	232	214	153	61	0	0	0
Communications and communications technologies, total	51,827	21,359	30,468	5,419	2,098	3,321	345	174	171
Communications, total	51,164	21,023	30,141	5,005	1,870	3,135	337	172	165
Communications, general	24,496	9,783	14,713	1,822	636	1,186	215	108	107
Advertising	2,773	1,095	1,678	256	90	166	4	2	2
Journalism	10,214	3,718	6,496	1,432	517	915	28	19	9
Broadcast journalism	630	258	372	16	7	9	0	0	0
Public relations and organizational communications	2,393	779	1,614	240	58	182	0	0	0
Radio and television broadcasting	5,883	3,246	2,637	383	183	200	10	6	4
Communications, other	4,775	2,144	2,631	856	379	477	80	37	43
Communications technologies, total	663	336	327	414	228	186	8	2	6
Photographic technology	11	5	6	0	0	0	0	0	0
Radio and television technology	575	292	283	317	165	152	8	2	6
Communications technologies, other	77	39	38	97	63	34	0	0	0
Computer and information sciences, total	24,200	17,317	6,883	10,416	7,724	2,692	810	685	125
Computer and information sciences, general	15,411	11,302	4,109	7,533	5,687	1,846	652	555	97
Computer programming	175	122	53	23	19	4	0	0	0
Data processing technology/technician	222	139	83	0	0	0	1	1	0

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Information science and systems	3,947	2,500	1,447	1,305	832	473	23	13	10
Computer systems analysis	301	206	95	51	43	8	12	10	2
Computer and information sciences, other	4,144	3,048	1,096	1,504	1,143	361	122	106	16
Education, total	107,600	24,450	83,150	98,938	23,008	75,930	6,908	2,706	4,202
Education, general	1,617	266	1,351	10,553	2,537	8,016	1,232	440	792
Bilingual/bicultural education	54	6	48	264	46	218	13	2	11
Curriculum and instruction	7	2	5	8,246	1,552	6,694	775	253	522
Education administration and supervision, total	9	3	6	10,892	4,290	6,602	2,187	988	1,199
Education administration and supervision, general	2	0	2	7,339	2,947	4,392	1,562	733	829
Administration of special education	0	0	0	5	1	4	8	0	8
Adult and continuing education administration	3	1	2	133	32	101	72	29	43
Educational supervision	0	0	0	683	200	483	30	6	24
Elementary, middle, and secondary education administration	3	1	2	1,498	626	872	44	23	21
Higher education administration	1	1	0	544	196	348	340	141	199
Community and junior college education administration	0	0	0	86	38	48	6	4	2
Education administration and supervision, other	0	0	0	604	250	354	125	52	73
Educational/instructional media design	35	20	15	957	261	696	60	26	34
Educational evaluation and research, general	30	8	22	38	11	27	14	4	10
Educational statistics and research methods	2	0	2	54	37	17	28	14	14
Educational assessment, testing and measurement	0	0	0	98	21	77	28	12	16
Social and philosophical foundations of education	3	3	0	262	54	208	131	55	76
Special education, total	9,099	729	8,370	10,497	1,423	9,074	194	34	160
Special education, general	6,085	528	5,557	8,284	1,158	7,126	184	31	153
Education of the deaf and hearing impaired	222	8	214	238	25	213	0	0	0
Education of the gifted and talented	4	0	4	135	14	121	0	0	0
Education of the emotionally handicapped	329	43	286	239	47	192	0	0	0
Education of the mentally handicapped	691	37	654	154	24	130	0	0	0
Education of the multiple handicapped	125	7	118	187	20	167	1	0	1
Education of the physically handicapped	21	2	19	62	5	57	0	0	0
Education of the blind and visually handicapped	32	0	32	40	5	35	0	0	0
Education of the specific learning disabled	649	58	591	602	66	536	3	1	2
Education of the speech impaired	673	19	654	224	4	220	0	0	0
Special education, other	268	27	241	332	55	277	6	2	4
Counselor education/counseling and guidance services	36	7	29	12,217	2,664	9,553	364	129	235
General teacher education, total	61,017	6,699	54,318	22,877	3,808	19,069	402	129	273
Adult and continuing education	89	20	69	880	224	656	134	55	79
Elementary education	48,733	4,642	44,091	12,958	1,444	11,514	91	19	72
Junior high/intermediate/middle school education	1,378	298	1,080	653	98	555	0	0	0
Pre-elementary/early childhood/kindergarten education	6,474	164	6,310	1,996	41	1,955	31	1	30
Secondary education	3,746	1,537	2,209	3,986	1,467	2,519	56	21	35
Teacher education, general programs, other	597	38	559	2,404	534	1,870	90	33	57
Teacher education, academic and vocational programs	34,428	16,229	18,199	16,106	4,935	11,171	832	397	435
Agricultural education (vocational)	470	312	158	222	131	91	50	38	12
Art education	1,535	336	1,199	650	118	532	20	5	15
Business education (vocational)	1,434	360	1,074	456	122	334	11	5	6
Driver and safety education	46	38	8	56	42	14	0	0	0
English education	2,904	609	2,295	683	144	539	15	7	8
Foreign languages education	361	64	297	279	55	224	24	8	16
Health education	1,547	413	1,134	808	151	657	116	42	74
Home economics education (vocational)	318	6	312	112	4	108	8	0	8
Technology/industrial arts education	1,502	1,252	250	493	343	150	30	20	10
Marketing operations/marketing and distribution education	92	32	60	16	6	10	1	0	1
Mathematics education	1,914	741	1,173	846	272	574	31	14	17
Music education	2,771	1,172	1,599	838	322	516	74	31	43
Physical education and coaching	11,888	6,998	4,890	2,994	1,544	1,450	154	92	62
Reading education	161	13	148	3,869	179	3,690	78	12	66
Science education	1,102	469	633	720	289	431	48	27	21
Social science education	850	426	424	132	65	67	1	1	0
Social studies education	2,088	1,229	859	501	282	219	3	1	2
Technical education (vocational)	209	134	75	267	106	161	42	24	18
Trade and industrial education (vocational)	1,014	714	300	391	172	219	74	44	30
Teacher education, academic and vocational programs, other	2,222	911	1,311	1,773	588	1,185	52	26	26
Teaching English as a second language/foreign language	45	15	30	1,548	334	1,214	6	1	5
Education, other	1,218	463	755	4,329	1,035	3,294	642	222	420
Engineering and engineering-related technologies, total	78,225	66,597	11,628	29,754	25,154	4,600	5,979	5,315	664
Engineering, total	62,220	52,035	10,185	28,621	24,218	4,403	5,963	5,299	664
Engineering, general	2,015	1,670	345	1,391	1,171	220	233	204	29
Aerospace, aeronautical, and astronautical engineering	2,330	2,035	295	1,038	938	100	220	209	11
Agricultural engineering	519	440	79	150	121	29	87	77	10
Architectural engineering	525	418	107	36	31	5	1	1	0
Bioengineering and biomedical engineering	719	481	238	489	349	140	168	128	40
Ceramic sciences and engineering	240	188	52	92	67	25	57	51	6
Chemical engineering	5,163	3,588	1,575	1,032	785	247	604	510	94
Civil engineering	9,479	7,776	1,703	3,873	3,199	674	651	582	69
Computer engineering	2,237	1,944	293	1,071	893	178	123	109	14
Electrical, electronics, and communications engineering	15,823	13,892	1,931	7,791	6,820	971	1,470	1,331	139
Engineering mechanics	128	111	17	172	155	17	92	87	5

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Engineering physics	293	260	33	70	63	7	38	34	4
Engineering science	268	218	50	295	257	38	50	45	5
Environmental/environmental health engineering	434	296	138	985	716	269	46	34	12
Geological engineering	143	100	43	57	45	12	12	11	1
Geophysical engineering	11	7	4	9	7	2	4	4	0
Industrial/manufacturing engineering	3,122	2,207	915	2,096	1,701	395	253	215	38
Material engineering	532	416	116	569	452	117	347	289	58
Mechanical engineering	15,030	13,327	1,703	4,099	3,700	399	887	825	62
Metallurgical engineering	250	209	41	172	139	33	83	73	10
Mining and mineral engineering	118	107	11	57	49	8	21	20	1
Naval architecture and marine engineering	307	287	20	23	22	1	5	5	0
Nuclear engineering	256	228	28	255	220	35	94	84	10
Ocean engineering	127	97	30	125	108	17	31	29	2
Petroleum engineering	316	275	41	167	155	12	45	38	7
Systems engineering	420	336	84	404	328	76	39	33	6
Textile sciences and engineering	72	45	27	32	24	8	1	1	0
Engineering, other	1,343	1,077	266	2,071	1,703	368	301	270	31
Engineering-related technologies, total	16,005	14,562	1,443	1,133	936	197	16	16	0
Architectural engineering technologies	670	603	67	0	0	0	0	0	0
Civil technologies	482	443	39	0	0	0	0	0	0
Electrical and electronic technologies	4,142	3,869	273	77	65	12	0	0	0
Electromechanical instrumentation and maintenance technologies	202	188	14	6	6	0	8	8	0
Environmental control technologies	263	212	51	53	35	18	0	0	0
Industrial production technologies	4,134	3,651	483	304	248	56	5	5	0
Quality control and safety technologies	554	464	90	301	246	55	0	0	0
Mechanical and related technologies	1,750	1,656	94	2	2	0	0	0	0
Mining and petroleum technologies	20	20	0	0	0	0	0	0	0
Surveying	131	118	13	25	22	3	3	3	0
Mechanics and repairers	107	106	1	0	0	0	0	0	0
Construction trades	75	70	5	0	0	0	0	0	0
Engineering and related technologies, other	3,475	3,162	313	365	312	53	0	0	0
English language and literature/letters, total	53,924	18,425	35,499	7,885	2,712	5,173	1,344	568	776
English language and literature, general	40,497	13,426	27,071	5,375	1,842	3,533	946	406	540
Comparative literature	774	211	563	274	92	182	139	56	83
English composition	331	138	193	21	4	17	4	0	4
English creative writing	903	424	479	835	360	475	7	4	3
American literature (United States)	59	18	41	16	6	10	4	2	2
English literature (British and Commonwealth)	1,368	483	885	372	110	262	74	32	42
Speech and rhetorical studies	8,637	3,272	5,365	725	210	515	128	54	74
English technical and business writing	156	52	104	142	44	98	0	0	0
English language and literature/letters, other	1,199	401	798	125	44	81	42	14	28
Foreign languages and literatures, total	14,378	4,304	10,074	3,288	1,087	2,201	886	355	531
Foreign languages and literatures, total	1,463	398	1,065	970	316	654	252	108	144
Foreign languages and literatures, general	852	225	627	321	85	236	63	22	41
Linguistics	611	173	438	649	231	418	189	86	103
East and Southeast Asian languages and literatures, total	546	276	270	138	46	92	32	18	14
Chinese	112	59	53	48	16	32	18	11	7
Japanese	311	149	162	48	10	38	2	0	2
East and Southeast Asian languages, other	123	68	55	42	20	22	12	7	5
East European languages and literatures, total	702	297	405	179	56	123	38	16	22
Russian languages	611	259	352	71	22	49	3	0	3
Slavic languages (other than Russian)	83	36	47	98	30	68	33	15	18
East European languages, other	8	2	6	10	4	6	2	1	1
Germanic languages and literatures, total	1,626	628	998	338	126	212	64	30	34
German	1,580	610	970	298	114	184	61	28	33
Scandinavian languages	31	9	22	11	1	10	1	0	1
Germanic languages, other	15	9	6	29	11	18	2	2	0
South Asian languages and literatures	6	2	4	4	1	3	8	6	2
Romance languages and literatures, total	8,981	2,215	6,766	1,307	363	944	358	105	253
French	3,094	587	2,507	479	116	363	104	31	73
Italian	264	67	197	47	13	34	24	10	14
Portuguese	37	18	19	8	3	5	0	0	0
Spanish	5,505	1,516	3,989	691	206	485	160	46	114
Romance languages, other	81	27	54	82	25	57	70	18	52
Middle Eastern languages and literatures, total	72	29	43	56	35	21	15	11	4
Arabic	8	3	5	2	1	1	0	0	0
Hebrew	49	18	31	35	25	10	3	2	1
Middle East languages, other	15	8	7	19	9	10	12	9	3
Classical and ancient Near East languages and literatures, total	756	371	385	193	107	86	77	43	34
Classics	617	298	319	169	98	71	74	40	34
Greek (ancient and medieval)	34	17	17	10	7	3	1	1	0
Latin (ancient and medieval)	105	56	49	14	2	12	2	2	0
Foreign languages, other	226	88	138	103	37	66	42	18	24
Health professions and related sciences, total	74,421	13,062	61,359	28,025	5,814	22,211	1,902	789	1,113
Communication disorders sciences and services	5,405	270	5,135	4,176	211	3,965	94	21	73
Community health liaison	586	120	466	176	41	135	0	0	0

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Dentistry specialties	0	0	0	346	251	95	42	32	10
Dental services	915	27	888	42	20	22	0	0	0
Epidemiology	0	0	0	271	106	165	111	43	68
Health services administration, total	3,635	899	2,736	3,525	1,219	2,306	80	30	50
Health services administration	1,815	474	1,341	1,807	683	1,124	47	18	29
Medical records administration	699	93	606	0	0	0	0	0	0
Medical records technology/technician	1	0	1	3	2	1	2	2	0
Health and medical administrative services, other	1,120	332	788	1,715	534	1,181	31	10	21
Health and medical assistants, total	1,015	497	518	178	54	124	0	0	0
Medical assistant	1	0	1	0	0	0	0	0	0
Physician assistant	924	479	445	160	49	111	0	0	0
Health and medical assistants, other	90	18	72	18	5	13	0	0	0
Health and medical diagnostic and treatment services, total	1,459	553	906	95	68	27	2	2	0
Respiratory therapy technology/technician	417	184	233	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	1,042	369	673	95	68	27	2	2	0
Medical laboratory technologies, total	2,763	856	1,907	481	185	296	80	33	47
Medical technology	2,393	725	1,668	75	26	49	4	3	1
Health and medical laboratory technologies/technicians, other	370	131	239	406	159	247	76	30	46
Pre-dentistry studies	70	46	24	0	0	0	0	0	0
Pre-medicine studies	756	438	318	23	5	18	0	0	0
Pre-pharmacy studies	52	25	27	0	0	0	0	0	0
Pre-veterinary studies	314	101	213	3	1	2	0	0	0
Medical basic sciences	245	94	151	261	136	125	335	201	134
Mental health services, total	546	103	443	384	89	295	31	7	24
Alcohol/drug abuse counseling	69	22	47	62	18	44	1	0	1
Psychiatric/mental health services technician	127	26	101	36	11	25	0	0	0
Clinical and medical social work	119	22	97	103	31	72	30	7	23
Mental health services, other	231	33	198	183	29	154	0	0	0
Nursing	39,076	3,735	35,341	8,991	599	8,392	382	24	358
Optometry	221	95	126	18	4	14	1	1	0
Pharmacy	6,044	2,235	3,809	243	134	109	278	144	134
Rehabilitation/therapeutic services, total	7,169	1,531	5,638	4,433	1,084	3,349	34	15	19
Art therapy	74	1	73	164	9	155	0	0	0
Dance therapy	2	0	2	30	1	29	0	0	0
Music therapy	144	21	123	18	4	14	0	0	0
Occupational therapy	2,652	305	2,347	619	58	561	4	0	4
Orthotics/prosthetics	58	46	12	0	0	0	0	0	0
Physical therapy	3,265	903	2,362	2,583	734	1,849	4	1	3
Recreational therapy	137	28	109	22	2	20	1	0	1
Vocational rehabilitation counseling	155	45	110	640	175	465	8	6	2
Rehabilitative services, other	682	182	500	357	101	256	17	8	9
Veterinary medicine	87	33	54	178	95	83	117	75	42
Miscellaneous health professions	436	205	231	249	122	127	35	23	12
Health professions and related sciences, other	3,627	1,199	2,428	3,952	1,390	2,562	280	138	142
Home economics and vocational home economics, total	15,522	1,933	13,589	2,421	405	2,016	365	93	272
Home economics, total	14,874	1,616	13,258	2,379	401	1,978	361	93	268
Home economics, general	2,801	206	2,595	284	22	262	28	4	24
Home economics business services	155	14	141	1	0	1	0	0	0
Family and community studies	179	23	156	58	10	48	3	1	2
Family and consumer resource management	1,327	437	890	60	5	55	21	3	18
Food and nutrition studies	2,967	391	2,576	519	65	454	55	23	32
Housing studies	583	97	486	18	3	15	2	1	1
Individual and family development studies	5,051	362	4,689	1,295	274	1,021	225	56	169
Clothing/apparel and textile studies	1,699	81	1,618	107	19	88	24	4	20
Home economics, other	112	5	107	37	3	34	3	1	2
Vocational home economics, total	648	317	331	42	4	38	4	0	4
Child care and guidance management	148	8	140	40	4	36	3	0	3
Custodial, housekeeping and home services workers and managers	2	1	1	0	0	0	0	0	0
Vocational home economics, other	498	308	190	2	0	2	1	0	1
Law and legal studies, total	2,171	648	1,523	2,432	1,608	824	79	63	16
Pre-law studies	239	120	119	0	0	0	0	0	0
Paralegal/legal assistant	1,028	154	874	97	70	27	36	31	5
Law and legal studies, other	904	374	530	2,335	1,538	797	43	32	11
Liberal arts and sciences, general studies, and humanities, total	33,397	13,117	20,280	2,496	913	1,583	80	46	34
Liberal arts and sciences/liberal studies	20,963	7,597	13,366	1,633	589	1,044	25	12	13
Humanities/humanistic studies	2,796	949	1,847	504	203	301	44	24	20
Liberal arts and sciences, general studies, other	9,638	4,571	5,067	359	121	238	11	10	1
Library science, total	62	5	57	5,116	1,040	4,076	45	14	31
Library science/librarianship	61	5	56	4,995	1,013	3,982	45	14	31
Library science, other	1	0	1	121	27	94	0	0	0
Mathematics, total	14,396	7,735	6,661	4,100	2,536	1,564	1,157	904	253
Mathematics	12,517	6,539	5,978	2,400	1,446	954	818	648	170
Applied mathematics, total	1,012	622	390	770	556	214	147	115	32
Applied mathematics, general and other	787	481	306	352	257	95	115	91	24
Operations research (quantitative methods)	225	141	84	418	299	119	32	24	8
Mathematical statistics	534	343	191	829	480	349	178	131	47

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Mathematics, other	333	231	102	101	54	47	14	10	4
Multi/interdisciplinary studies, total	25,167	9,058	16,109	2,464	1,194	1,270	227	151	76
Biological and physical sciences	2,191	1,141	1,050	231	136	95	24	15	9
Systems science and theory	112	72	40	226	150	76	11	10	1
Museology/museum studies	4	1	3	107	21	86	0	0	0
Multi/interdisciplinary studies, other	22,860	7,844	15,016	1,900	887	1,013	192	126	66
Parks, recreation, leisure, and fitness studies, total	11,470	5,823	5,647	1,625	845	780	116	70	46
Parks, recreation and leisure studies	2,197	966	1,231	244	110	134	21	11	10
Parks, recreation and leisure facilities management	2,709	1,287	1,422	234	113	121	18	9	9
Health and physical education/fitness	6,242	3,385	2,857	1,130	612	518	75	48	27
Parks, recreation, leisure and fitness studies, other	322	185	137	17	10	7	2	2	0
Philosophy and religion, total	7,546	4,844	2,702	1,350	837	513	528	383	145
Philosophy	4,691	3,218	1,473	727	508	219	301	217	84
Religion/religious studies	2,486	1,425	1,061	563	315	248	221	162	59
Philosophy and religion, other	369	201	168	60	14	46	6	4	2
Physical sciences and science technologies, total	18,400	12,223	6,177	5,679	4,018	1,661	4,650	3,642	1,008
Physical sciences, total	18,295	12,164	6,131	5,670	4,015	1,655	4,634	3,626	1,008
Physical sciences, general	353	236	117	47	35	12	0	0	0
Astronomy	88	62	26	93	68	25	74	63	11
Astrophysics	75	55	20	36	30	6	26	20	6
Atmospheric science and meteorology	405	329	76	197	150	47	91	74	17
Chemistry, total	9,425	5,591	3,834	1,999	1,173	826	2,353	1,691	662
Chemistry, general	9,138	5,409	3,729	1,850	1,089	761	2,149	1,531	618
Analytical chemistry	0	0	0	26	16	10	14	12	2
Inorganic chemistry	0	0	0	3	3	0	10	8	2
Organic chemistry	8	3	5	17	8	9	16	14	2
Medicinal/pharmaceutical chemistry	8	5	3	31	8	23	55	36	19
Chemistry, other	271	174	97	72	49	23	109	90	19
Geological and related sciences, total	2,677	1,766	911	937	645	292	422	345	77
Geology	2,482	1,639	843	798	549	249	344	283	61
Geochemistry	8	5	3	3	3	0	5	5	0
Geophysics and seismology	50	35	15	62	45	17	53	44	9
Geological and related sciences, other	137	87	50	74	48	26	20	13	7
Miscellaneous physical sciences, total	852	596	256	357	246	111	166	121	45
Metallurgy	2	0	2	7	6	1	1	1	0
Oceanography	197	142	55	148	99	49	77	58	19
Earth and planetary sciences	582	425	157	136	100	36	78	59	19
Miscellaneous physical sciences, other	71	29	42	66	41	25	10	3	7
Physics, total	4,001	3,292	709	1,945	1,650	295	1,465	1,285	180
Physics, general	3,717	3,063	654	1,791	1,518	273	1,321	1,156	165
Physics, other	284	229	55	154	132	22	144	129	15
Physical sciences, other	419	237	182	59	18	41	37	27	10
Science technologies, total	105	59	46	9	3	6	16	16	0
Precision production trades, total	420	308	112	2	0	2	0	0	0
Drafting, general	145	125	20	0	0	0	0	0	0
Precision production trades, other	275	183	92	2	0	2	0	0	0
Protective services, total	23,009	14,169	8,840	1,437	902	535	25	14	11
Criminal justice and corrections, total	22,745	13,920	8,825	1,405	871	534	25	14	11
Corrections/correctional administration	705	388	317	50	36	14	0	0	0
Criminal justice/law enforcement administration	7,267	4,490	2,777	539	340	199	0	0	0
Criminal justice studies	11,702	6,959	4,743	678	426	252	25	14	11
Forensic studies	158	96	62	56	30	26	0	0	0
Law enforcement/police science	1,799	1,317	482	53	28	25	0	0	0
Criminal justice, other	1,114	670	444	29	11	18	0	0	0
Fire control and safety	229	221	8	22	21	1	0	0	0
Protective services, other	35	28	7	10	10	0	0	0	0
Psychology, total	69,259	18,642	50,617	12,181	3,401	8,780	3,563	1,346	2,217
Psychology, general	65,559	17,662	47,897	4,644	1,432	3,212	1,618	652	966
Clinical psychology	48	10	38	1,368	366	1,002	1,206	413	793
Counseling psychology	261	58	203	3,560	871	2,689	296	111	185
Developmental and child psychology	755	77	678	116	25	91	56	12	44
Experimental psychology	227	61	166	97	41	56	65	30	35
Industrial and organizational psychology	134	33	101	352	116	236	45	18	27
Physiological psychology/psychobiology	189	70	119	2	0	2	22	6	16
Social psychology	240	54	186	99	31	68	35	15	20
School psychology	0	0	0	702	130	572	87	37	50
Psychology, other	1,846	617	1,229	1,241	389	852	133	52	81
Public administration and services, total	17,815	3,919	13,896	21,833	6,406	15,427	519	238	281
Public administration	2,600	1,335	1,265	6,698	3,421	3,277	148	98	50
Community organization, resources and services	1,339	314	1,025	265	91	174	5	0	5
Public policy analysis	424	211	213	777	402	375	80	51	29
Social work	13,016	1,853	11,163	13,738	2,353	11,385	259	79	180
Public affairs, other	436	206	230	355	139	216	27	10	17
R.O.T.C. and military technologies, total	19	16	3	124	117	7	0	0	0
Social sciences and history, total	133,680	72,006	61,674	14,561	8,152	6,409	3,627	2,317	1,310
Social sciences, general	7,375	3,122	4,253	527	226	301	69	37	32
Anthropology	5,502	2,009	3,493	962	371	591	383	179	204

Table 39.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1993–94—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Archeology	120	43	77	27	8	19	21	8	13
Criminology	2,181	1,272	909	102	61	41	12	8	4
Demography and population studies	2	1	1	34	15	19	12	9	3
Economics	19,496	13,747	5,749	2,521	1,697	824	869	660	209
Geography, total	4,449	3,011	1,438	723	481	242	141	105	36
Geography	4,401	2,971	1,430	720	479	241	141	105	36
Cartography	48	40	8	3	2	1	0	0	0
History	27,503	17,260	10,243	3,009	1,824	1,185	752	472	280
International relations and affairs	5,860	2,547	3,313	1,995	1,089	906	85	67	18
Political science and government, general	36,097	20,741	15,356	2,147	1,348	799	616	438	178
Sociology	22,368	7,114	15,254	1,639	636	1,003	530	261	269
Urban affairs/studies	709	366	343	377	183	194	58	30	28
Social sciences and history, other	2,018	773	1,245	498	213	285	79	43	36
Theological studies and religious vocations, total	5,434	4,125	1,309	4,956	3,034	1,922	1,448	1,235	213
Biblical and other theological languages and literatures	57	53	4	50	20	30	8	7	1
Bible/biblical studies	1,390	1,086	304	285	239	46	34	31	3
Missions/missionary studies and misology	323	190	133	189	126	63	37	37	0
Religious education	923	546	377	964	550	414	52	36	16
Religious/sacred music	156	88	68	138	88	50	9	7	2
Theology/theological studies	2,121	1,826	295	2,396	1,521	875	921	797	124
Pastoral counseling and specialized ministries	163	124	39	560	236	324	205	172	33
Theological studies and religious vocations, other	301	212	89	374	254	120	182	148	34
Transportation and material moving workers, total	3,923	3,500	423	664	610	54	0	0	0
Air transportation workers	3,594	3,202	392	657	603	54	0	0	0
Water transportation workers	305	278	27	0	0	0	0	0	0
Transportation and material moving, other	24	20	4	7	7	0	0	0	0
Visual and performing arts, total	49,053	19,538	29,515	9,925	4,229	5,696	1,054	585	469
Visual and performing arts, general	1,571	676	895	114	45	69	9	5	4
Crafts, folk art, and artisanry	108	32	76	8	5	3	0	0	0
Dance	813	75	738	184	24	160	14	2	12
Design and applied art	8,077	3,148	4,929	462	188	274	1	0	1
Dramatic/theater arts and stagecraft	6,117	2,452	3,665	1,283	607	676	104	55	49
Film/video and photographic arts, total	2,652	1,641	1,011	583	331	252	12	8	4
Film-video making/cinematography and production	918	634	284	244	133	111	4	2	2
Photography	961	495	466	151	86	65	1	1	0
Film arts, other	773	512	261	188	112	76	7	5	2
Fine arts and art studies, total	20,865	7,136	13,729	3,363	1,240	2,123	177	67	110
Art, general	11,422	4,152	7,270	1,020	429	591	27	11	16
Art history, criticism and conservation	3,006	609	2,397	645	138	507	141	55	86
Arts management	117	23	94	119	26	93	0	0	0
Painting	811	335	476	202	93	109	0	0	0
Ceramic arts and ceramics	181	69	112	48	25	23	0	0	0
Fiber, textile and weaving arts	109	8	101	34	3	31	1	0	1
Metal and jewelry arts	84	14	70	25	9	16	0	0	0
Fine arts and art studies, other	5,135	1,926	3,209	1,270	517	753	8	1	7
Music, total	8,268	4,151	4,117	3,619	1,697	1,922	708	438	270
Music, general	4,149	2,003	2,146	1,209	585	624	308	191	117
Music history and literature	70	32	38	41	16	25	26	14	12
Music, general performance	2,728	1,282	1,446	1,849	850	999	232	135	97
Music theory and composition	244	190	54	161	105	56	71	52	19
Music, other	1,077	644	433	359	141	218	71	46	25
Visual and performing arts, other	582	227	355	309	92	217	29	10	19
Not classified by field of study	3,302	1,618	1,684	1,651	730	921	36	21	15

NOTE.—Aggregations by field of study derived from the *Classification of Instructional Programs* developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared November 1995.)

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
All fields	**1,160,134**	**526,131**	**634,003**	**397,629**	**178,598**	**219,031**	**44,446**	**26,916**	**17,530**
Agriculture and natural resources, total	19,841	12,692	7,149	4,252	2,551	1,701	1,264	962	302
Agricultural business and production, total	5,046	3,593	1,453	660	434	226	218	162	56
Agricultural business and management, total	3,420	2,472	948	519	339	180	180	139	41
Agricultural business and management, general	875	619	256	48	29	19	0	0	0
Agricultural business/agribusiness operations	1,032	757	275	29	16	13	11	10	1
Agricultural economics	1,346	958	388	433	288	145	169	129	40
Agricultural business and management, other	167	138	29	9	6	3	0	0	0
Agricultural mechanization	253	229	24	6	5	1	0	0	0
Agricultural production workers and managers	160	118	42	50	42	8	16	12	4
Horticulture service operations and management	492	340	152	31	17	14	9	3	6
International agriculture	21	13	8	10	5	5	0	0	0
Agricultural business and production, other	700	421	279	44	26	18	13	8	5
Agricultural sciences, total	6,818	3,928	2,890	1,541	886	653	712	541	171
Agriculture/agricultural sciences, general	1,045	730	315	154	98	56	4	4	0
Animal sciences, total	3,207	1,556	1,651	396	226	170	196	158	38
Animal sciences, general	2,696	1,269	1,427	270	150	120	141	110	31
Agricultural animal breeding and genetics	19	7	12	5	2	3	13	12	1
Agricultural animal health	14	5	9	8	4	4	0	0	0
Agricultural animal nutrition	0	0	0	9	1	8	9	8	1
Dairy science	81	54	27	32	23	9	9	8	1
Poultry science	141	115	26	26	15	11	7	6	1
Animal sciences, other	256	106	150	46	31	15	17	14	3
Food sciences and technology	498	186	312	322	136	186	128	74	54
Plant sciences, total	1,771	1,251	520	526	341	185	312	251	61
Plant sciences, general	280	187	93	74	44	30	36	26	10
Agronomy and crop science	588	504	84	185	137	48	160	134	26
Horticulture science	532	313	219	146	77	69	65	46	19
Plant breeding and genetics	0	0	0	13	9	4	15	14	1
Agricultural plant pathology	9	6	3	9	5	4	4	4	0
Plant protection (pest management)	26	22	4	19	14	5	5	4	1
Range science and management	243	157	86	44	31	13	17	14	3
Plant sciences, other	93	62	31	36	24	12	10	9	1
Soil sciences	155	113	42	101	64	37	63	46	17
Agriculture/agricultural sciences, other	142	92	50	42	23	19	9	8	1
Conservation and renewable natural resources, total	7,977	5,171	2,806	2,051	1,229	822	334	259	75
Natural resources conservation, general	4,310	2,531	1,779	1,158	638	520	95	75	20
Natural resources management and policy	438	280	158	84	50	34	4	4	0
Fishing and fisheries sciences and management	206	161	45	106	83	23	24	22	2
Forest harvesting and production technology/technician	267	189	78	38	28	10	22	18	4
Forestry, general	1,289	1,012	277	468	293	175	154	114	40
Wildlife and wildlands management	1,084	758	326	152	109	43	25	20	5
Conservation and renewable natural resources, other	383	240	143	45	28	17	10	6	4
Architecture and related programs, total	8,756	5,741	3,015	3,923	2,310	1,613	141	95	46
Architecture	5,122	3,675	1,447	1,969	1,282	687	37	26	11
City/urban, community, and regional planning	521	381	140	1,285	696	589	76	47	29
Architectural environmental design	727	455	272	63	19	44	5	4	1
Interior architecture	771	111	660	7	0	7	0	0	0
Landscape architecture	1,016	727	289	359	167	192	3	2	1
Architectural urban design and planning	0	0	0	79	57	22	3	2	1
Architecture and related programs, other	599	392	207	161	89	72	17	14	3
Area, ethnic, and cultural studies, total	5,706	2,092	3,614	1,639	765	874	186	80	106
Area studies, total	3,827	1,539	2,288	1,173	542	631	138	68	70
African studies	40	15	25	18	12	6	2	1	1
American studies/civilization	1,591	614	977	247	89	158	73	34	39
Latin American studies	400	148	252	233	113	120	10	5	5
Middle Eastern studies	98	55	43	81	38	43	20	13	7
Russian and Slavic studies	214	80	134	118	53	65	0	0	0
Asian studies	813	401	412	295	135	160	22	10	12
European studies	230	87	143	79	39	40	3	1	2
Area studies, other	441	139	302	102	63	39	8	4	4
Ethnic and cultural studies, total	1,659	475	1,184	276	97	179	40	11	29
Afro-American (black) studies	516	191	325	71	28	43	10	4	6
Hispanic-American studies	142	57	85	14	6	8	0	0	0
Women's studies	533	10	523	62	2	60	11	0	11
Ethnic studies, other	468	217	251	129	61	68	19	7	12
Area, ethnic and cultural studies, other	220	78	142	190	126	64	8	1	7
Biological sciences/life sciences, total	55,984	26,687	29,297	5,393	2,602	2,791	4,645	2,771	1,874
Biology, general	41,656	19,499	22,159	2,350	1,155	1,195	729	436	293
Biochemistry and biophysics	2,889	1,570	1,319	339	175	164	703	422	281
Botany, total	315	154	161	224	114	110	244	169	75
Botany, general	293	142	151	139	70	69	126	83	43
Plant pathology	5	3	2	71	38	33	74	59	15
Botany, other	17	9	8	14	6	8	44	27	17
Cell and molecular biology, total	1,759	938	821	157	73	84	521	290	231
Cell biology	202	108	94	51	23	28	142	78	64

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Molecular biology	631	345	286	74	32	42	245	139	106
Cell and molecular biology, other	926	485	441	32	18	14	134	73	61
Microbiology/bacteriology	1,908	925	983	295	132	163	443	253	190
Miscellaneous biological specializations, total	2,717	1,267	1,450	1,202	494	708	1,046	605	441
Anatomy	81	48	33	63	34	29	92	48	44
Ecology	732	372	360	205	106	99	95	66	29
Marine/aquatic biology	687	338	349	88	48	40	39	29	10
Neurosciences	193	106	87	49	35	14	188	111	77
Nutritional sciences	372	94	278	266	36	230	104	40	64
Toxicology	56	27	29	74	35	39	83	49	34
Genetics, plant and animal	179	74	105	131	43	88	223	133	90
Biometrics	15	9	6	38	18	20	15	9	6
Miscellaneous specialized areas, other	402	199	203	288	139	149	207	120	87
Zoology, total	3,206	1,572	1,634	689	392	297	767	478	289
Zoology, general	2,667	1,286	1,381	198	99	99	164	104	60
Entomology	61	41	20	137	94	43	122	95	27
Pathology, human and animal	8	0	8	52	18	34	89	55	34
Pharmacology, human and animal	49	28	21	53	22	31	192	105	87
Physiology, human and animal	412	211	201	249	159	90	200	119	81
Zoology, other	9	6	3	0	0	0	0	0	0
Biological sciences/life sciences, other	1,532	762	770	137	67	70	192	118	74
Business management, administrative services and marketing operations/marketing and distribution, total	234,323	121,898	112,425	93,809	59,109	34,700	1,394	1,014	380
Business management and administrative services, total	229,286	119,878	109,408	93,050	58,670	34,380	1,385	1,012	373
Business, general	23,603	12,506	11,097	11,150	7,433	3,717	228	164	64
Business administration and management, total	85,641	45,105	40,536	52,990	33,890	19,100	738	542	196
Office supervision and management	847	97	750	0	0	0	0	0	0
Operations management and supervision	1,902	1,310	592	461	351	110	6	6	0
Business administration and management, other	82,892	43,698	39,194	52,529	33,539	18,990	732	536	196
Accounting	43,940	19,235	24,705	4,494	2,377	2,117	54	35	19
Secretarial and related programs	334	58	276	0	0	0	0	0	0
Business/managerial economics	2,988	1,845	1,143	228	164	64	57	44	13
Small business management and ownership	415	277	138	56	36	20	0	0	0
Finance, general and banking and financial support services	20,427	13,741	6,686	5,267	3,788	1,479	56	52	4
Actuarial sciences	285	169	116	73	44	29	0	0	0
Insurance and risk management	555	336	219	83	52	31	7	6	1
Investments and securities and financial planning	296	168	128	307	222	85	0	0	0
Hospitality services management	5,553	2,542	3,011	457	217	240	1	1	0
Human resources management	5,129	2,028	3,101	1,943	800	1,143	25	16	9
Labor/personnel relations and studies	905	456	449	736	298	438	22	15	7
Organizational behavior studies	1,102	490	612	308	118	190	35	12	23
International business	2,988	1,517	1,471	2,956	1,817	1,139	10	8	2
Business information systems, total	6,166	3,707	2,459	2,406	1,673	733	29	20	9
Management information systems and data processing, general	5,788	3,462	2,326	2,012	1,408	604	26	17	9
Business information systems, other	378	245	133	394	265	129	3	3	0
Quantitative methods and management science, total	1,759	978	781	1,308	882	426	31	24	7
Business statistics	32	11	21	30	14	16	4	2	2
Management science, other	1,727	967	760	1,278	868	410	27	22	5
Marketing management and research	22,062	11,862	10,200	1,893	985	908	40	32	8
Real estate	484	347	137	275	197	78	0	0	0
Taxation	0	0	0	1,607	929	678	0	0	0
Consumer and personal services	253	160	93	0	0	0	0	0	0
Business management and administrative services, other	4,401	2,351	2,050	4,513	2,748	1,765	52	41	11
Marketing operations/marketing and distribution, total	5,037	2,020	3,017	759	439	320	9	2	7
Apparel and accessories marketing operations	1,223	48	1,175	0	0	3	4	0	4
Business and personal services marketing operations	340	158	182	8	4	4	0	0	0
General/retailing and wholesaling operations and skills	2,660	1,331	1,329	514	272	242	5	2	3
Transportation and travel marketing	188	56	132	15	6	9	0	0	0
Marketing and distribution, other	626	427	199	219	157	62	0	0	0
Communications and communications technologies, total	48,803	20,404	28,399	5,609	2,108	3,501	321	162	159
Communications, total	48,104	20,028	28,076	5,142	1,869	3,273	320	162	158
Communications, general	22,894	9,176	13,718	1,927	656	1,271	222	105	117
Advertising	2,791	1,175	1,616	244	87	157	1	1	0
Journalism	9,501	3,532	5,969	1,438	514	924	21	14	7
Broadcast journalism	554	217	337	8	0	8	0	0	0
Public relations and organizational communications	2,190	689	1,501	277	62	215	0	0	0
Radio and television broadcasting	5,438	3,065	2,373	335	160	175	12	9	3
Communications, other	4,736	2,174	2,562	913	390	523	64	33	31
Communications technologies, total	699	376	323	467	239	228	1	0	1
Photographic technology	18	6	12	0	0	0	0	0	0
Radio and television technology	567	307	260	349	170	179	1	0	1
Communications technologies, other	114	63	51	118	69	49	0	0	0
Computer and information sciences, total	24,404	17,463	6,941	10,326	7,627	2,699	884	723	161
Computer and information sciences, general	15,606	11,558	4,048	7,402	5,610	1,792	723	601	122
Computer programming	239	172	67	10	7	3	0	0	0

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Data processing technology/technician	196	108	88	0	0	0	0	0	0
Information science and systems	4,042	2,435	1,607	1,349	856	493	28	19	9
Computer systems analysis	222	153	69	56	39	17	6	6	0
Computer and information sciences, other	4,099	3,037	1,062	1,509	1,115	394	127	97	30
Education, total	106,079	25,641	80,438	101,242	23,806	77,436	6,905	2,621	4,284
Education, general	1,801	322	1,479	10,995	2,631	8,364	1,262	451	811
Bilingual/bicultural education	74	11	63	286	51	235	12	3	9
Curriculum and instruction	17	14	3	8,898	1,679	7,219	778	243	535
Education administration and supervision, total	117	23	94	10,957	4,233	6,724	2,179	951	1,228
Education administration and supervision, general	5	0	5	7,488	2,953	4,535	1,585	701	884
Administration of special education	0	0	0	8	2	6	4	1	3
Adult and continuing education administration	0	0	0	126	33	93	54	16	38
Educational supervision	0	0	0	613	167	446	21	6	15
Elementary, middle, and secondary education administration	111	23	88	1,440	579	861	46	25	21
Higher education administration	0	0	0	480	183	297	337	147	190
Community and junior college education administration	0	0	0	68	20	48	1	1	0
Education administration and supervision, other	1	0	1	734	296	438	131	54	77
Educational/instructional media design	30	15	15	1,058	288	770	60	31	29
Educational evaluation and research, general	41	10	31	34	16	18	11	5	6
Educational statistics and research methods	1	0	1	30	14	16	21	7	14
Educational assessment, testing and measurement	0	0	0	132	25	107	23	9	14
Social and philosophical foundations of education	8	2	6	286	80	206	96	42	54
Special education, total	9,780	925	8,855	10,698	1,525	9,173	214	51	163
Special education, general	6,677	710	5,967	8,688	1,283	7,405	193	47	146
Education of the deaf and hearing impaired	259	6	253	217	25	192	0	0	0
Education of the gifted and talented	1	0	1	138	19	119	7	1	6
Education of the emotionally handicapped	312	38	274	231	47	184	2	0	2
Education of the mentally handicapped	578	36	542	123	13	110	1	0	1
Education of the multiple handicapped	142	13	129	214	25	189	4	1	3
Education of the physically handicapped	38	6	32	60	6	54	0	0	0
Education of the blind and visually handicapped	40	6	34	11	1	10	0	0	0
Education of the specific learning disabled	633	48	585	549	50	499	5	2	3
Education of the speech impaired	798	36	762	218	12	206	0	0	0
Special education, other	302	26	276	249	44	205	2	0	2
Counselor education/counseling and guidance services	26	5	21	12,621	2,727	9,894	344	113	231
General teacher education, total	59,210	7,483	51,727	23,494	4,210	19,284	441	136	305
Adult and continuing education	46	17	29	951	277	674	198	77	121
Elementary education	46,840	5,106	41,734	13,256	1,598	11,658	71	8	63
Junior high/intermediate/middle school education	1,397	295	1,102	615	112	503	0	0	0
Pre-elementary/early childhood/kindergarten education	6,236	178	6,058	2,021	47	1,974	29	0	29
Secondary education	4,150	1,828	2,322	4,123	1,557	2,566	66	22	44
Teacher education, general programs, other	541	59	482	2,528	619	1,909	77	29	48
Teacher education, academic and vocational programs	33,711	16,301	17,410	16,209	5,093	11,116	839	373	466
Agricultural education (vocational)	424	290	134	247	150	97	39	22	17
Art education	1,484	350	1,134	731	130	601	23	8	15
Business education (vocational)	1,237	317	920	430	139	291	12	8	4
Driver and safety education	56	46	10	62	44	18	1	1	0
English education	2,812	623	2,189	901	202	699	26	10	16
Foreign languages education	284	43	241	255	48	207	19	8	11
Health education	1,746	484	1,262	868	198	670	95	22	73
Home economics education (vocational)	262	8	254	125	5	120	12	0	12
Technology/industrial arts education	1,447	1,233	214	413	284	129	15	9	6
Marketing operations/marketing and distribution education	108	48	60	19	7	12	0	0	0
Mathematics education	1,756	667	1,089	837	291	546	50	23	27
Music education	2,747	1,129	1,618	749	319	430	103	54	49
Physical education and coaching	11,829	7,096	4,733	2,961	1,557	1,404	162	94	68
Reading education	158	16	142	3,723	230	3,493	61	6	55
Science education	1,126	506	620	730	304	426	44	18	26
Social science education	875	492	383	103	44	59	4	2	2
Social studies education	2,192	1,298	894	499	281	218	4	1	3
Technical education (vocational)	192	139	53	309	125	184	41	21	20
Trade and industrial education (vocational)	971	702	269	435	198	237	70	39	31
Teacher education, academic and vocational programs, other	2,005	814	1,191	1,812	537	1,275	58	27	31
Teaching English as a second language/foreign language	45	11	34	1,634	314	1,320	16	7	9
Education, other	1,218	519	699	3,910	920	2,990	609	199	410
Engineering and engineering-related technologies, total	78,154	65,933	12,221	29,670	24,836	4,834	6,128	5,399	729
Engineering, total	62,342	51,646	10,696	28,553	23,935	4,618	6,110	5,383	727
Engineering, general	2,041	1,711	330	1,401	1,145	256	238	205	33
Aerospace, aeronautical, and astronautical engineering	1,771	1,541	230	821	722	99	229	217	12
Agricultural engineering	591	486	105	160	132	28	86	78	8
Architectural engineering	558	438	120	25	23	2	4	4	0
Bioengineering and biomedical engineering	913	618	295	480	362	118	175	133	42
Ceramic sciences and engineering	191	151	40	88	64	24	57	48	9
Chemical engineering	5,901	3,988	1,913	1,085	822	263	571	475	96
Civil engineering	9,927	8,007	1,920	4,077	3,315	762	625	554	71
Computer engineering	2,345	2,057	288	1,040	838	202	140	125	15
Electrical, electronics, and communications engineering	14,929	13,089	1,840	7,693	6,694	999	1,543	1,380	163

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Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Engineering mechanics	131	109	22	151	130	21	75	72	3
Engineering physics	263	222	41	63	50	13	44	40	4
Engineering science	279	215	64	326	259	67	48	43	5
Environmental/environmental health engineering	641	432	209	1,056	776	280	45	32	13
Geological engineering	125	97	28	40	31	9	13	12	1
Geophysical engineering	19	16	3	6	6	0	2	2	0
Industrial/manufacturing engineering	3,147	2,222	925	2,061	1,664	397	296	243	53
Material engineering	501	371	130	506	388	118	363	299	64
Mechanical engineering	14,794	13,141	1,653	4,213	3,784	429	890	833	57
Metallurgical engineering	268	211	57	165	144	21	92	80	12
Mining and mineral engineering	121	108	13	72	63	9	15	15	0
Naval architecture and marine engineering	278	265	13	30	24	6	6	5	1
Nuclear engineering	247	222	25	264	236	28	111	100	11
Ocean engineering	152	125	27	109	96	13	28	25	3
Petroleum engineering	303	265	38	200	177	23	51	50	1
Systems engineering	349	278	71	404	325	79	34	32	2
Textile sciences and engineering	68	39	29	28	19	9	6	2	4
Engineering, other	1,489	1,222	267	1,989	1,646	343	323	279	44
Engineering-related technologies, total	15,812	14,287	1,525	1,117	901	216	18	16	2
Architectural engineering technologies	574	498	76	0	0	0	0	0	0
Civil technologies	474	434	40	0	0	0	0	0	0
Electrical and electronic technologies	4,272	3,966	306	29	26	3	0	0	0
Electromechanical instrumentation and maintenance technologies	179	167	12	17	16	1	4	4	0
Environmental control technologies	268	207	61	110	77	33	0	0	0
Industrial production technologies	4,011	3,542	469	224	196	28	8	6	2
Quality control and safety technologies	554	451	103	352	268	84	0	0	0
Mechanical and related technologies	1,729	1,620	109	0	0	0	0	0	0
Mining and petroleum technologies	14	14	0	0	0	0	0	0	0
Surveying	165	149	16	21	18	3	6	6	0
Mechanics and repairers	66	63	3	0	0	0	0	0	0
Construction trades	113	91	22	7	4	3	0	0	0
Engineering and related technologies, other	3,393	3,085	308	357	296	61	0	0	0
English language and literature/letters, total	51,901	17,810	34,091	7,845	2,764	5,081	1,561	665	896
English language and literature, general	39,170	13,094	26,076	5,439	1,906	3,533	1,100	458	642
Comparative literature	731	229	502	233	92	141	168	76	92
English composition	301	118	183	24	10	14	6	1	5
English creative writing	947	396	551	898	365	533	9	6	3
American literature (United States)	38	13	25	18	8	10	9	5	4
English literature (British and Commonwealth)	1,059	374	685	258	98	160	93	41	52
Speech and rhetorical studies	8,045	2,999	5,046	731	209	522	132	60	72
English technical and business writing	166	59	107	137	44	93	0	0	0
English language and literature/letters, other	1,444	528	916	107	32	75	44	18	26
Foreign languages and literatures, total	13,775	4,243	9,532	3,136	995	2,141	905	395	510
Foreign languages and literatures, total	1,504	430	1,074	935	286	649	251	127	124
Foreign languages and literatures, general	940	277	663	333	100	233	57	26	31
Linguistics	564	153	411	602	186	416	194	101	93
East and Southeast Asian languages and literatures, total	536	303	233	118	34	84	25	15	10
Chinese	107	65	42	63	16	47	16	9	7
Japanese	314	169	145	33	8	25	1	0	1
East and Southeast Asian languages, other	115	69	46	22	10	12	8	6	2
East European languages and literatures, total	629	277	352	155	61	94	41	26	15
Russian languages	572	252	320	66	30	36	3	3	0
Slavic languages (other than Russian)	55	23	32	78	26	52	36	21	15
East European languages, other	2	2	0	11	5	6	2	2	0
Germanic languages and literatures, total	1,395	577	818	305	113	192	92	33	59
German	1,352	561	791	278	100	178	83	29	54
Scandinavian languages	27	9	18	7	4	3	4	1	3
Germanic languages, other	16	7	9	20	9	11	5	3	2
South Asian languages and literatures	3	1	2	2	1	1	5	3	2
Romance languages and literatures, total	8,718	2,199	6,519	1,344	352	992	387	135	252
French	2,764	555	2,209	470	119	351	118	40	78
Italian	271	70	201	69	14	55	31	9	22
Portuguese	25	18	7	8	5	3	3	0	3
Spanish	5,602	1,543	4,059	709	188	521	161	64	97
Romance languages, other	56	13	43	88	26	62	74	22	52
Middle Eastern languages and literatures, total	88	32	56	49	27	22	19	12	7
Arabic	10	4	6	1	0	1	1	0	1
Hebrew	57	18	39	30	17	13	7	5	2
Middle East languages, other	21	10	11	18	10	8	11	7	4
Classical and ancient Near East languages and literatures, total	722	357	365	169	100	69	54	28	26
Classics	595	292	303	151	91	60	50	26	24
Greek (ancient and medieval)	35	20	15	6	2	4	2	0	2
Latin (ancient and medieval)	92	45	47	12	7	5	2	2	0
Foreign languages, other	180	67	113	59	21	38	31	16	15
Health professions and related sciences, total	79,855	14,443	65,412	31,243	6,754	24,489	2,069	867	1,202
Communication disorders sciences and services	5,940	308	5,632	4,655	233	4,422	105	27	78

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Community health liaison	731	147	584	162	37	125	0	0	0
Dentistry	24	16	8	389	259	130	51	20	31
Dental services	909	23	886	50	24	26	1	0	1
Epidemiology	0	0	0	299	129	170	94	34	60
Health services administration, total	3,872	964	2,908	3,871	1,377	2,494	60	33	27
Health services administration	1,948	523	1,425	2,163	825	1,338	38	21	17
Medical records administration	756	94	662	0	0	0	0	0	0
Medical records technology/technician	0	0	0	1	1	0	4	3	1
Health and medical administrative services, other	1,168	347	821	1,707	551	1,156	18	9	9
Health and medical assistants, total	1,305	612	693	375	139	236	0	0	0
Medical assistant	1	0	1	0	0	0	0	0	0
Physician assistant	1,163	565	598	341	124	217	0	0	0
Health and medical assistants, other	141	47	94	34	15	19	0	0	0
Health and medical diagnostic and treatment services, total	1,499	580	919	60	34	26	1	1	0
Respiratory therapy technology/technician	386	153	233	0	0	0	0	0	0
Health and medical diagnostic and treatment services, other	1,113	427	686	60	34	26	1	1	0
Medical laboratory technologies, total	3,033	910	2,123	430	160	270	79	34	45
Medical technology	2,632	776	1,856	63	18	45	1	1	0
Health and medical laboratory technologies/technicians, other	401	134	267	367	142	225	78	33	45
Pre-dentistry studies	161	107	54	0	0	0	0	0	0
Pre-medicine studies	639	365	274	0	0	0	0	0	0
Pre-pharmacy studies	2	1	1	0	0	0	0	0	0
Pre-veterinary studies	142	47	95	0	0	0	0	0	0
Medical basic sciences	361	134	227	427	209	218	422	237	185
Mental health services, total	603	115	488	347	71	276	8	1	7
Alcohol/drug abuse counseling	153	43	110	61	23	38	0	0	0
Psychiatric/mental health services technician	112	24	88	37	9	28	0	0	0
Clinical and medical social work	87	12	75	49	12	37	8	1	7
Mental health services, other	251	36	215	200	27	173	0	0	0
Nursing	42,186	4,457	37,729	9,629	666	8,963	397	16	381
Optometry	193	75	118	11	5	6	6	6	0
Pharmacy	6,025	2,290	3,735	309	131	178	275	154	121
Rehabilitation/therapeutic services, total	7,678	1,647	6,031	5,198	1,312	3,886	25	9	16
Art therapy	74	7	67	216	19	197	0	0	0
Dance therapy	2	0	2	22	1	21	0	0	0
Music therapy	157	15	142	47	9	38	0	0	0
Occupational therapy	2,850	329	2,521	762	91	671	0	0	0
Orthotics/prosthetics	36	26	10	0	0	0	0	0	0
Physical therapy	3,355	1,004	2,351	2,942	843	2,099	3	0	3
Recreational therapy	183	34	149	18	1	17	1	0	1
Vocational rehabilitation counseling	193	44	149	685	174	511	4	4	0
Rehabilitative services, other	828	188	640	506	174	332	17	5	12
Veterinary medicine	48	20	28	144	76	68	96	66	30
Miscellaneous health professions	433	217	216	780	453	327	59	37	22
Health professions and related sciences, other	4,071	1,408	2,663	4,107	1,439	2,668	390	192	198
Home economics and vocational home economics, total	15,345	1,808	13,537	2,864	492	2,372	388	99	289
Home economics, total	14,771	1,560	13,211	2,820	491	2,329	382	97	285
Home economics, general	2,752	216	2,536	345	31	314	44	14	30
Home economics business services	153	16	137	2	0	2	0	0	0
Family and community studies	212	18	194	54	11	43	10	5	5
Family and consumer resource management	1,215	380	827	64	7	57	28	4	24
Food and nutrition studies	3,272	418	2,854	584	73	511	61	20	41
Housing studies	479	64	415	20	5	15	4	1	3
Individual and family development studies	5,172	367	4,805	1,637	348	1,289	212	47	165
Clothing/apparel and textile studies	1,405	64	1,341	96	14	82	15	4	11
Home economics, other	111	9	102	18	2	16	8	2	6
Vocational home economics, total	574	248	326	44	1	43	6	2	4
Child care and guidance management	144	3	141	32	0	32	1	0	1
Custodial, housekeeping and home services workers and managers	1	0	1	0	0	0	0	0	0
Vocational home economics, other	429	245	184	12	1	11	5	2	3
Law and legal studies, total	2,032	595	1,437	2,511	1,680	831	88	62	26
Pre-law studies	214	105	109	0	0	0	0	0	0
Paralegal/legal assistant	1,031	172	859	29	10	19	0	0	0
Law and legal studies, other	787	318	469	2,482	1,670	812	88	62	26
Liberal arts and sciences, general studies, and humanities, total	33,356	13,157	20,199	2,565	924	1,641	90	41	49
Liberal arts and sciences/liberal studies	21,113	7,622	13,491	1,738	625	1,113	30	10	20
Humanities/humanistic studies	2,820	962	1,858	472	185	287	45	25	20
Liberal arts and sciences, general studies, other	9,423	4,573	4,850	355	114	241	15	6	9
Library science, total	50	2	48	5,057	1,054	4,003	55	20	35
Library science/librarianship	49	2	47	4,938	1,034	3,904	54	20	34
Library science, other	1	0	1	119	20	99	1	0	1
Mathematics, total	13,723	7,295	6,428	4,181	2,543	1,638	1,226	955	271
Mathematics	11,988	6,260	5,728	2,440	1,468	972	845	660	185
Applied mathematics, total	930	553	377	747	495	252	155	123	32
Applied mathematics, general and other	701	412	289	386	241	145	110	87	23
Operations research (quantitative methods)	229	141	88	361	254	107	45	36	9

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Mathematical statistics	467	279	188	909	528	381	202	155	47
Mathematics, other	338	203	135	85	52	33	24	17	7
Multi/interdisciplinary studies, total	26,033	9,158	16,875	2,457	1,093	1,364	238	129	109
Biological and physical sciences	2,404	1,219	1,185	230	108	122	28	18	10
Systems science and theory	107	63	44	214	109	105	16	9	7
Museology/museum studies	2	0	2	110	20	90	0	0	0
Multi/interdisciplinary studies, other	23,520	7,876	15,644	1,903	856	1,047	194	102	92
Parks, recreation, leisure, and fitness studies, total	12,889	6,724	6,165	1,755	892	863	149	87	62
Parks, recreation and leisure studies	2,187	1,014	1,173	229	97	132	32	20	12
Parks, recreation and leisure facilities management	2,758	1,321	1,437	270	115	155	44	14	30
Health and physical education/fitness	7,679	4,247	3,432	1,243	671	572	67	51	16
Parks, recreation, leisure and fitness studies, other	265	142	123	13	9	4	6	2	4
Philosophy and religion, total	7,276	4,670	2,606	1,380	875	505	507	365	142
Philosophy	4,442	3,019	1,423	654	485	169	289	219	70
Religion/religious studies	2,494	1,455	1,039	639	362	277	212	140	72
Philosophy and religion, other	340	196	144	87	28	59	6	6	0
Physical sciences and science technologies, total	19,177	12,497	6,680	5,753	4,013	1,740	4,483	3,428	1,055
Physical sciences, total	19,057	12,424	6,633	5,718	3,986	1,732	4,478	3,423	1,055
Physical sciences, general	413	268	145	36	27	9	1	1	0
Astronomy	121	83	38	86	60	26	96	77	19
Astrophysics	48	34	14	33	28	5	16	12	4
Atmospheric science and meteorology	444	362	82	203	152	51	83	69	14
Chemistry, total	9,722	5,666	4,056	2,099	1,216	883	2,273	1,561	712
Chemistry, general	9,457	5,500	3,957	1,956	1,140	816	2,080	1,421	659
Analytical chemistry	6	2	4	16	10	6	14	12	2
Inorganic chemistry	0	0	0	3	2	1	4	1	3
Organic chemistry	11	5	6	22	12	10	13	11	2
Medicinal/pharmaceutical chemistry	16	7	9	37	17	20	62	42	20
Chemistry, other	232	152	80	65	35	30	100	74	26
Geological and related sciences, total	3,118	1,993	1,125	993	697	296	398	312	86
Geology	2,856	1,821	1,035	853	600	253	325	255	70
Geochemistry	14	6	8	4	3	1	2	1	1
Geophysics and seismology	65	46	19	75	55	20	51	41	10
Geological and related sciences, other	183	120	63	61	39	22	20	15	5
Miscellaneous physical sciences, total	1,020	652	368	397	249	148	150	114	36
Metallurgy	0	0	0	11	10	1	2	2	0
Oceanography	214	136	78	138	91	47	79	59	20
Earth and planetary sciences	700	462	238	149	92	57	62	48	14
Miscellaneous physical sciences, other	106	54	52	99	56	43	7	5	2
Physics, total	3,823	3,151	672	1,817	1,527	290	1,424	1,251	173
Physics, general	3,669	3,018	651	1,677	1,410	267	1,338	1,179	159
Physics, other	154	133	21	140	117	23	86	72	14
Physical sciences, other	348	215	133	54	30	24	37	26	11
Science technologies, total	120	73	47	35	27	8	5	5	0
Precision production trades, total	353	247	106	5	4	1	0	0	0
Drafting, general	121	94	27	0	0	0	0	0	0
Precision production trades, other	232	153	79	5	4	1	0	0	0
Protective services, total	24,157	15,049	9,108	1,706	912	794	26	14	12
Criminal justice and corrections, total	23,828	14,759	9,069	1,672	882	790	26	14	12
Corrections/correctional administration	609	301	308	85	53	32	0	0	0
Criminal justice/law enforcement administration	8,062	5,075	2,987	673	400	273	0	0	0
Criminal justice studies	12,393	7,513	4,880	788	359	429	26	14	12
Forensic studies	28	11	17	51	29	22	0	0	0
Law enforcement/police science	1,719	1,283	436	67	35	32	0	0	0
Criminal justice, other	1,017	576	441	8	6	2	0	0	0
Fire control and safety	224	214	10	29	26	3	0	0	0
Protective services, other	105	76	29	5	4	1	0	0	0
Psychology, total	72,083	19,548	52,535	13,921	3,893	10,028	3,822	1,431	2,391
Psychology, general	67,954	18,469	49,485	4,788	1,453	3,335	1,616	642	974
Clinical psychology	66	12	54	1,477	350	1,127	1,413	493	920
Counseling psychology	256	60	196	4,221	1,087	3,134	296	107	189
Developmental and child psychology	712	77	635	113	14	99	46	9	37
Experimental psychology	219	65	154	88	40	48	57	24	33
Industrial and organizational psychology	109	29	80	952	421	531	65	33	32
Physiological psychology/psychobiology	184	60	124	3	1	2	24	12	12
Social psychology	500	136	364	120	31	89	48	18	30
School psychology	0	0	0	886	174	712	107	38	69
Psychology, other	2,083	640	1,443	1,273	322	951	150	55	95
Public administration and services, total	18,586	3,935	14,651	23,501	6,870	16,631	556	274	282
Public administration	2,429	1,258	1,171	7,288	3,710	3,578	166	117	49
Community organization, resources and services	1,615	371	1,244	261	92	169	9	3	6
Public policy analysis	375	169	206	846	421	425	110	60	50
Social work	13,720	1,954	11,766	14,658	2,469	12,189	258	86	172
Public affairs, other	447	183	264	448	178	270	13	8	5
R.O.T.C. and military technologies, total	27	24	3	124	117	7	0	0	0
Social sciences and history, total	128,154	68,139	60,015	14,845	8,207	6,638	3,725	2,319	1,406
Social sciences, general	7,185	2,959	4,226	594	263	331	70	28	42

Table 40.—Bachelor's, master's, and doctor's degrees conferred by institutions of higher education, by sex of student and field of study: 1994–95—Continued

Field of study	Bachelor's degrees requiring 4 or 5 years			Master's degrees			Doctor's degrees (Ph.D., Ed.D., etc.)		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
1	2	3	4	5	6	7	8	9	10
Anthropology	5,675	2,071	3,604	1,024	373	651	373	157	216
Archeology	123	43	80	29	12	17	15	6	9
Criminology	2,384	1,406	978	103	65	38	9	5	4
Demography and population studies	2	0	2	38	12	26	9	6	3
Economics	17,673	12,244	5,429	2,400	1,653	747	910	684	226
Geography, total	4,295	2,930	1,365	807	524	283	152	109	43
Geography	4,254	2,898	1,356	805	522	283	152	109	43
Cartography	41	32	9	2	2	0	0	0	0
History	26,598	16,596	10,002	3,091	1,905	1,186	816	513	303
International relations and affairs	5,486	2,373	3,113	2,138	1,139	999	46	30	16
Political science and government, general	33,013	18,941	14,072	2,019	1,216	803	637	455	182
Sociology	22,886	7,406	15,480	1,748	664	1,084	546	259	287
Urban affairs/studies	648	323	325	303	146	157	56	26	30
Social sciences and history, other	2,186	847	1,339	551	235	316	86	41	45
Theological studies/religious vocations, total	5,578	4,201	1,377	5,240	3,178	2,062	1,591	1,375	216
Biblical and other theological languages and literatures	23	22	1	70	37	33	8	8	0
Bible/biblical studies	1,713	1,332	381	316	258	58	40	38	2
Missions/missionary studies and misology	275	171	104	230	139	91	52	52	0
Religious education	928	538	390	1,015	545	470	55	42	13
Religious/sacred music	179	91	88	142	85	57	13	11	2
Theology/theological studies	2,038	1,746	292	2,572	1,659	913	960	848	112
Pastoral counseling and specialized ministries	167	128	39	595	264	331	257	200	57
Theological studies and religious vocations, other	255	173	82	300	191	109	206	176	30
Transportation and material moving workers, total	3,698	3,297	401	823	775	48	0	0	0
Air transportation workers	3,595	3,205	390	819	771	48	0	0	0
Water transportation workers	88	81	7	0	0	0	0	0	0
Transportation and material moving, other	15	11	4	4	4	0	0	0	0
Visual and performing arts, total	48,690	19,781	28,909	10,277	4,374	5,903	1,080	545	535
Visual and performing arts, general	1,327	499	828	130	50	80	17	7	10
Crafts, folk art, and artisanry	116	33	83	10	3	7	0	0	0
Dance	864	73	791	182	31	151	10	0	10
Design and applied art	7,893	3,145	4,748	536	225	311	1	1	0
Dramatic/theater arts and stagecraft	6,212	2,547	3,665	1,422	680	742	95	47	48
Film/video and photographic arts, total	2,715	1,679	1,036	632	350	282	10	7	3
Film-video making/cinematography and production	1,036	694	342	248	137	111	4	3	1
Photography	907	472	435	183	90	93	1	1	0
Film arts, other	772	513	259	201	123	78	5	3	2
Fine arts and art studies, total	20,428	7,226	13,202	3,284	1,178	2,106	185	66	119
Art, general	11,522	4,278	7,244	1,019	414	605	35	14	21
Art history, criticism and conservation	4,642	1,289	3,353	1,097	318	779	149	52	97
Arts management	83	19	64	131	28	103	1	0	1
Painting	734	315	419	207	90	117	0	0	0
Ceramic arts and ceramics	200	69	131	43	18	25	0	0	0
Fiber, textile and weaving arts	99	5	94	45	6	39	0	0	0
Metal and jewelry arts	73	15	58	12	3	9	0	0	0
Fine arts and art studies, other	3,075	1,236	1,839	730	301	429	0	0	0
Music, total	8,510	4,337	4,173	3,565	1,677	1,888	738	409	329
Music, general	4,372	2,064	2,308	1,173	534	639	326	184	142
Music history and literature	53	17	36	41	16	25	28	13	15
Music, general performance	2,674	1,310	1,364	1,787	847	940	257	135	122
Music theory and composition	362	292	70	162	114	48	65	48	17
Music, other	1,049	654	395	402	166	236	62	29	33
Visual and performing arts, other	625	242	383	516	180	336	24	8	16
Not classified by field of study	1,346	957	389	577	475	102	19	18	1

NOTE.—Aggregations by field of study derived from the Classification of Instructional Programs developed by the National Center for Education Statistics.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared March 1997.)

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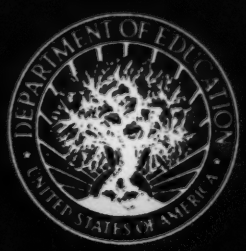

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